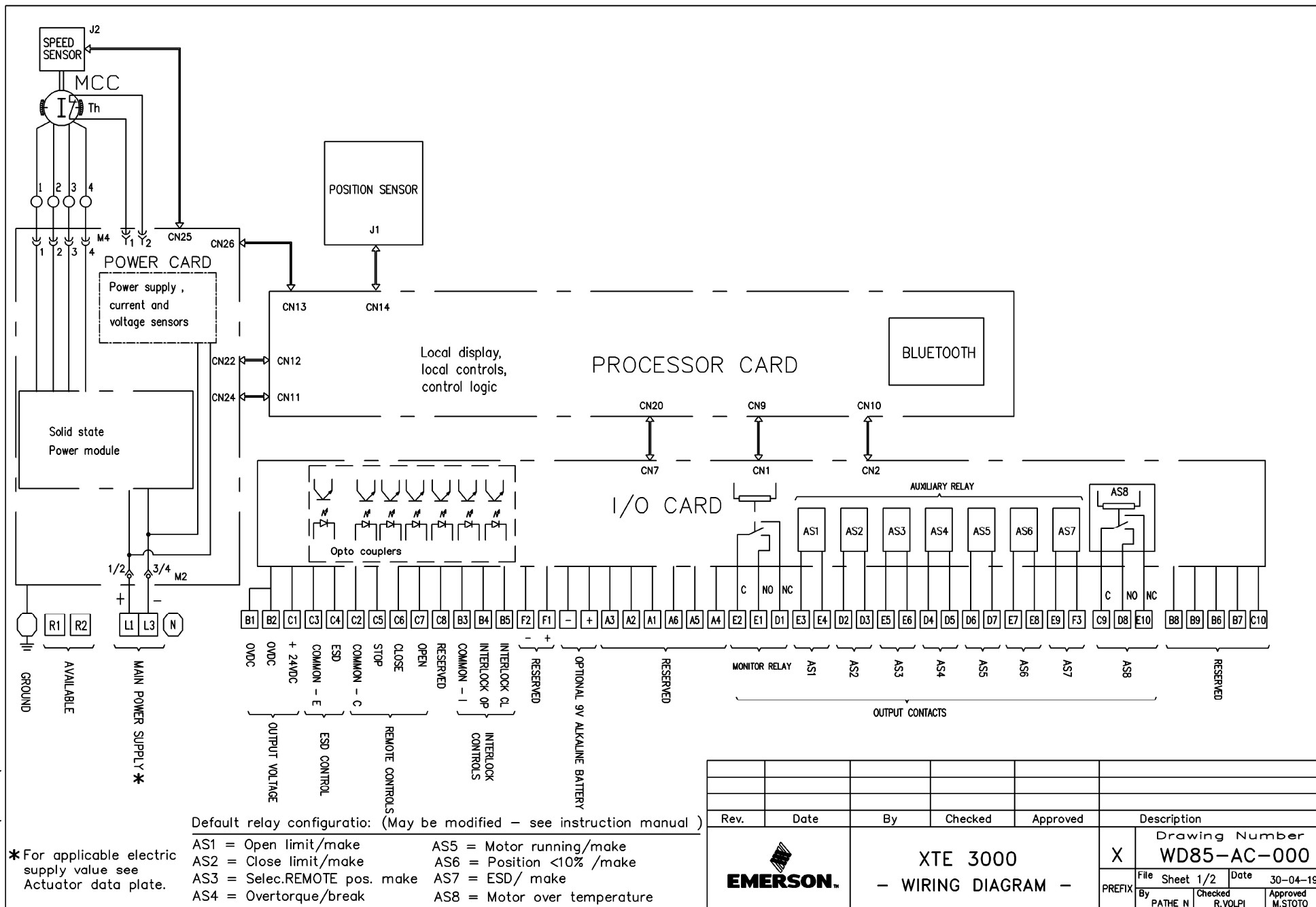
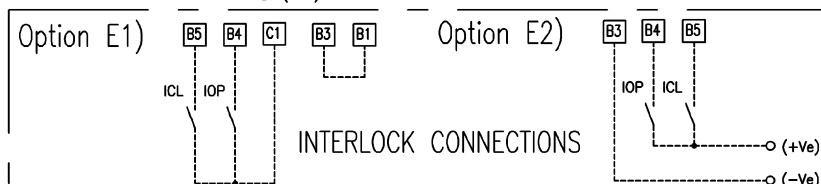
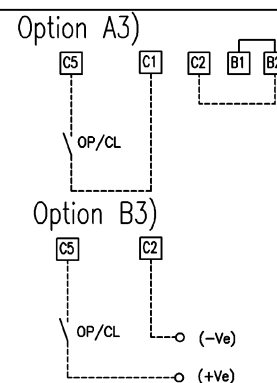
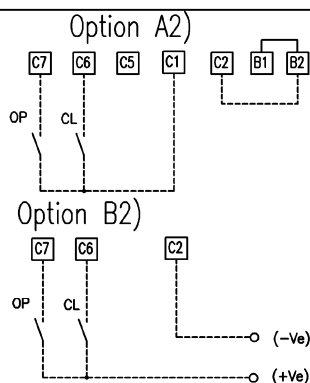




Rev.	Date	By	Checked	Approved	Description
					Drawing Number
					X WD85-AC-000
					File Sheet 1/2 Date 30-04-19
					PREFIX By PATHE N Checked R.VOLPI Approved M.STOTO



- 1) Terminals B1-B2 : Internally linked
- 2) C1 : +24 Vdc not regulated, max 4W.
- 3) Control signal levels: Minimum "ON" >20Vdc or 20Vac (50/60Hz)
Maximum "ON" <125 Vdc or 120Vac (50/60Hz)
Maximum "OFF" <3 Vdc or ac
Minimum signal duration > 500ms
Total current drawn for remote controls <25mA
Total current drawn for ESD controls <15mA

Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-E2/D1 contact is closed when to be configured condition occurs

5) AS1, AS2, AS3, AS4, AS5, AS6, AS7, : Voltage free contact -Max voltage 250Vac or 30Vdc- max current 5A
min voltage 5Vdc- min contact 10mA contact can be configured to make or
break on condition See instruction manual to view or configure switching conditions of relays

6) AS8 : Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-C9/D8 contact is closed when to be configured condition occurs

7) Options A1,A2,A3 : Internal supply 24Vdc

8) Options B1,B2,B3 : External supply 20-125Vdc or 20-120 Vac (50/60Hz)

9) Controls mode :

Option A1/B1 : 4 wires latched (SP configuration = BREAK)

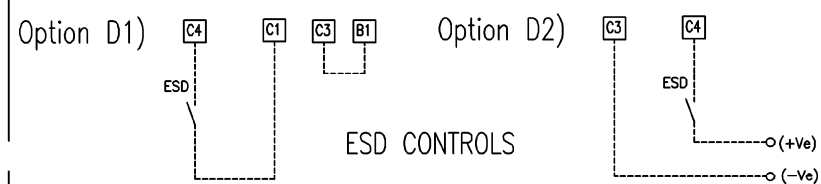
Option A2/B2 : 3 wires push to run

: 3 wires latched with instant reverse

Option A3/B3 : 2 wires open contact opens
: 2 wires open contact closes

Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)
Option E2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)

See instruction handbook to configure INTERLOCK signal type



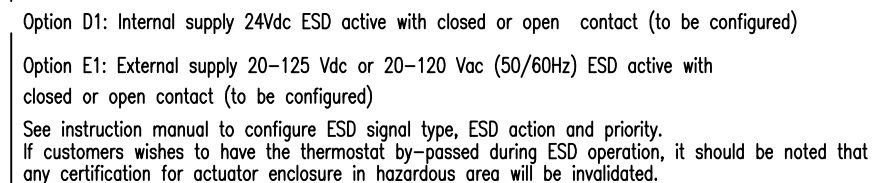
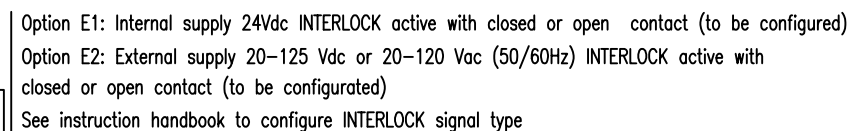
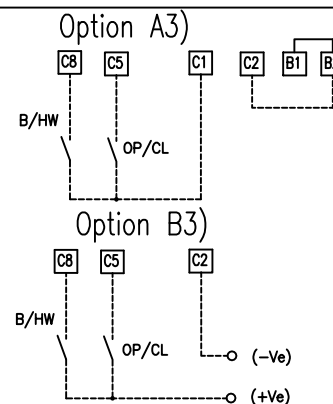
Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)

Option D2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)

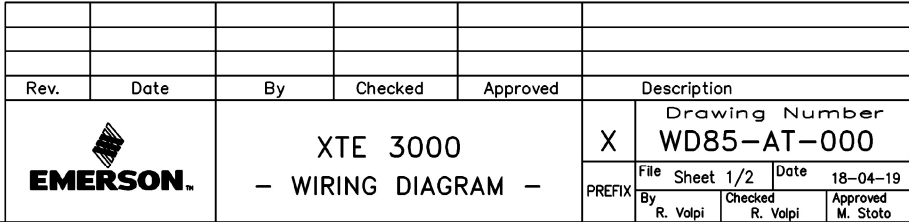
See instruction manual to configure ESD signal type, ESD action and priority.
If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

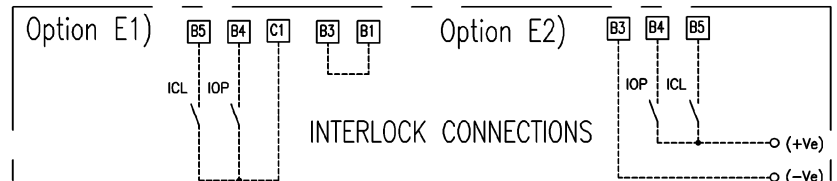
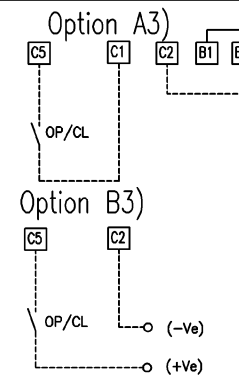
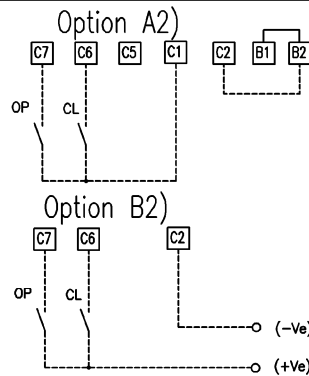
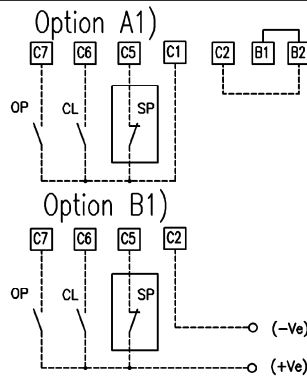
MCC	= Dc motor
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor

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					PREFIX File Sheet 2/2 By PATHE N Checked R.VOLPI Date 30-04-19 Approved M.STOTO

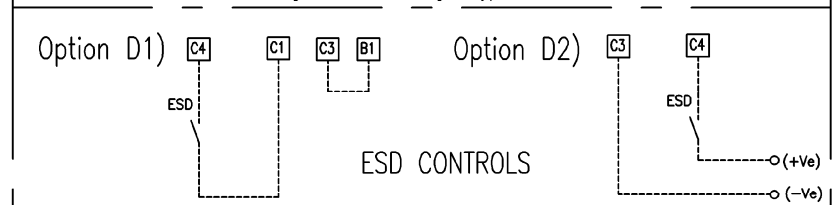


Rev.	Date	By	Checked	Approved	Description
	XTE 3000 — WIRING DIAGRAM —			X	Drawing Number WD85-AM-N00
				PREFIX By N. Pathe	File Sheet 2/2 Checked R. Volni Date 30-04-15 Approved M. Stata





Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)
 Option E2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)
 See instruction handbook to configure INTERLOCK signal type



Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)
 Option D2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)
 See instruction manual to configure ESD signal type, ESD action and priority.
 If customer wishes to have thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

NOTES :

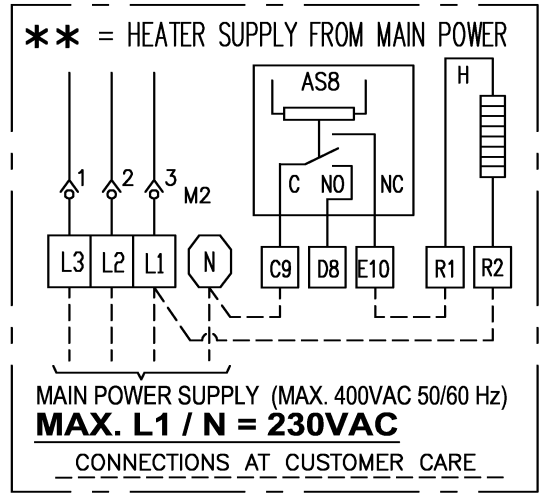
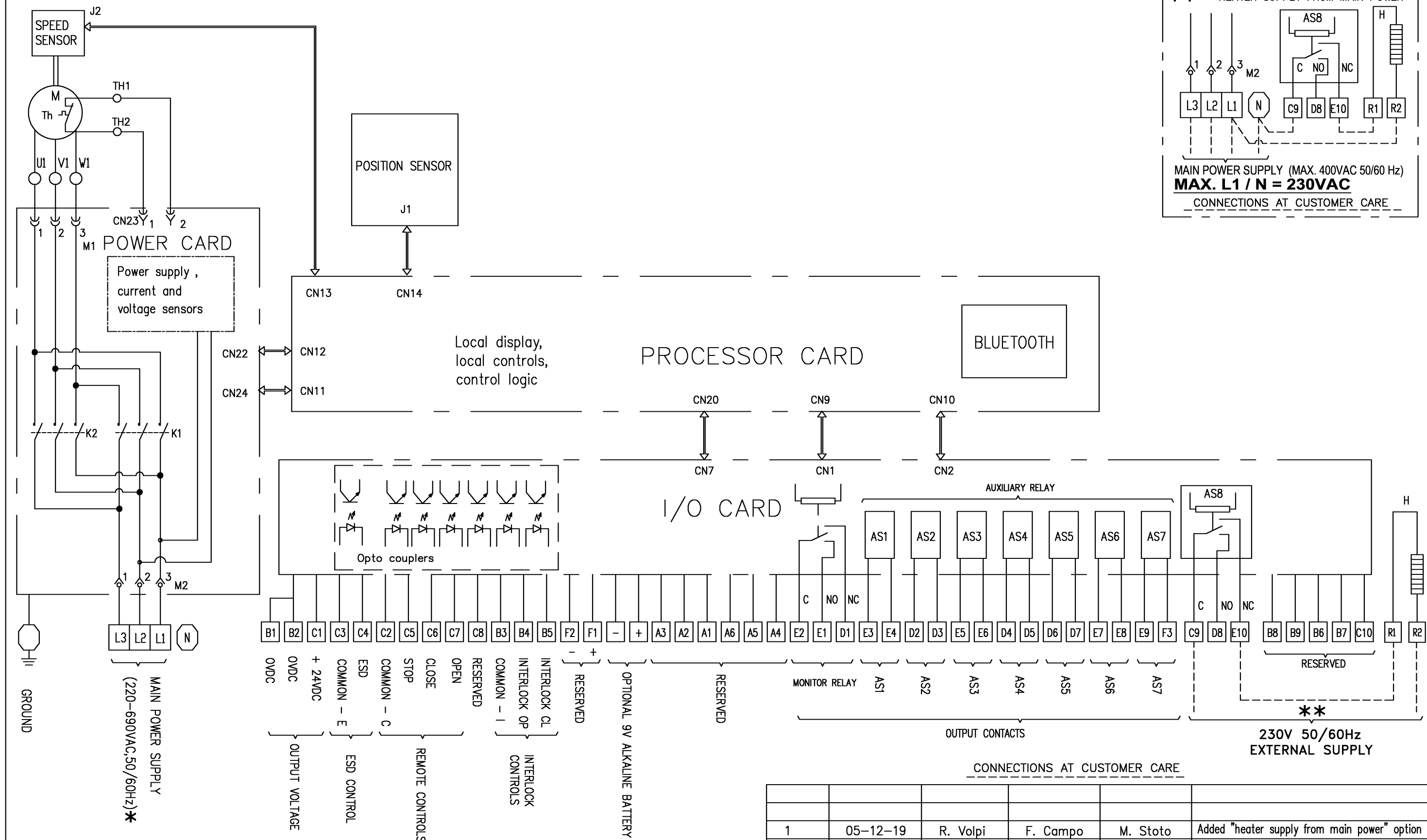
- 1) Terminals B1–B2 : Internally linked
- 2) C1 : +24 Vdc not regulated, max 4W.
- 3) Control signal levels: Minimum "ON" >20Vdc or 20Vac (50/60Hz)
 Maximum "ON" <125 Vdc or 120Vac (50/60Hz)
 Maximum "OFF" <3 Vdc or ac
 Minimum signal duration > 500ms
 Total current drawn for remote controls <25mA
 Total current drawn for ESD controls <15mA
- 4) Monitor relay :
 Voltage free, change-over contact– max voltage 250Vac or 30Vdc– max current 5A/min. voltage 5Vdc – min. current 10mA
 See instruction manual to view or configure the switching conditions of relay
 –E2/D1 contact is closed when to be configured condition occurs
- 5) AS1, AS2, AS3, AS4, AS5, AS6, AS7, : Voltage free contact –Max voltage 250Vac or 30Vdc– max current 5A
 min voltage 5Vdc– min contact 10mA Contact can be configured to make or break on condition See instruction manual to view or configure switching conditions of relays
- 6) AS8 : Voltage free, change-over contact– max voltage 250Vac or 30Vdc– max current 5A/min. voltage 5Vdc – min. current 10mA
 See instruction manual to view or configure the switching conditions of relay
 –C9/D8 contact is closed when to be configured condition occurs
- 7) Options A1,A2,A3 : Internal supply 24Vdc
- 8) Options B1,B2,B3 : External supply 20–125Vdc or 20–120 Vac (50/60Hz)
- 9) Controls mode :
 Option A1/B1 : 4 wires latched (SP configuration = BREAK)
 Option A2/B2 : 3 wires push to run
 : 3 wires latched with instant reverse
 Option A3/B3 : 2 wires open contact opens
 : 2 wires open contact closes

Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make) .

LEGENDA	
M	= Three-phase motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor

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XTE 3000
 – WIRING DIAGRAM –

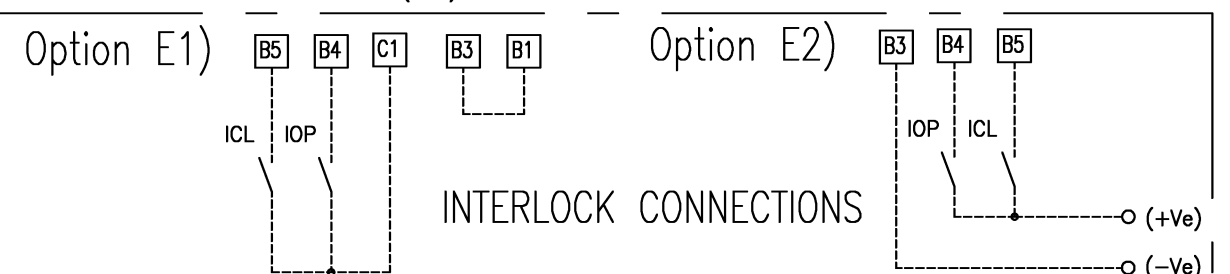
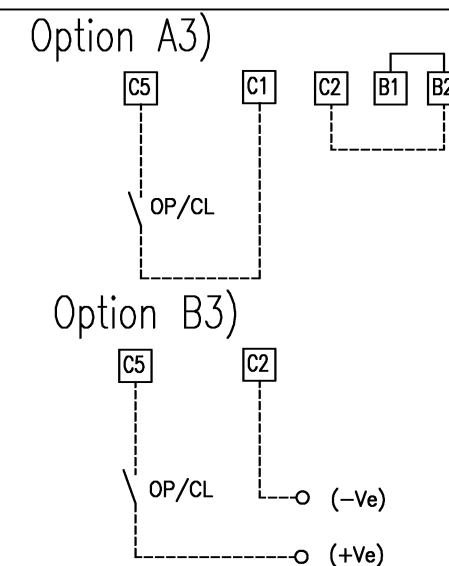
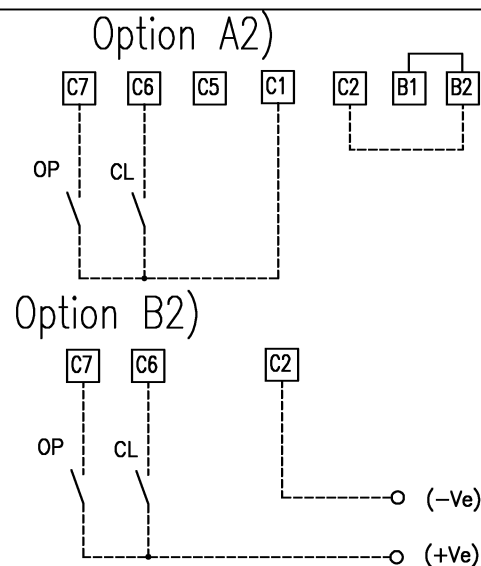
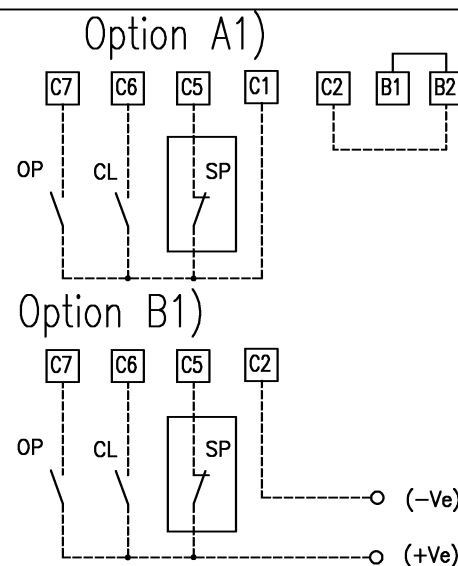


*** For applicable electric supply value see Actuator data plate.**

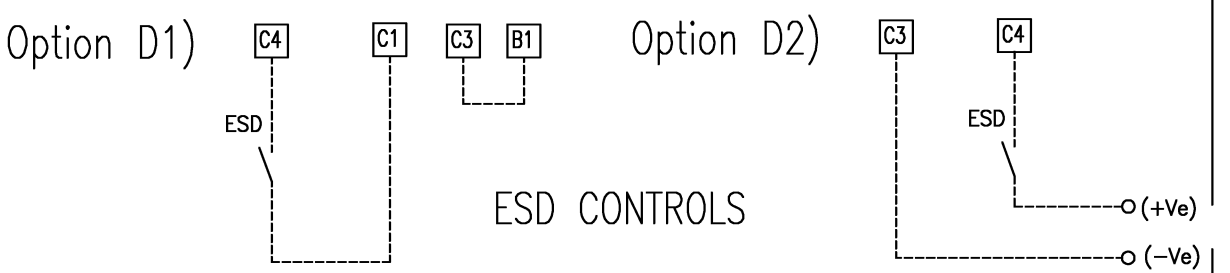
Default relay configuratio: (May be modified – see instruction manual)

AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10% /make
AS3 = Selec.REMOTE pos. make	AS7 = ESD/ make
AS4 = Overtorque/break	AS8 = Heater control

1	05-12-19	R. Volpi	F. Campo	M. Stoto	Added "heater supply from main power" option
Rev.	Date	By	Checked	Approved	Description
		XTE 3000 - WIRING DIAGRAM -			Draving Number WD85-AT-0H1
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PREFIX		By N.Pathe	Checked R. Volpi	Approved M. Stoto	



Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)
 Option E2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)
 See instruction handbook to configure INTERLOCK signal type



Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)
 Option D2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)
 See instruction manual to configure ESD signal type, ESD action and priority.
 If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

NOTES :

- Terminals B1–B2 : Internally linked
- C1 : +24 Vdc not regulated, max 4W.
- Control signal levels: Minimum "ON" >20Vdc or 20Vac (50/60Hz)
 Maximum "ON" <125 Vdc or 120Vac (50/60Hz)
 Maximum "OFF" <3 Vdc or ac
 Minimum signal duration > 500ms
 Total current drawn for remote controls <25mA
 Total current drawn for ESD controls <15mA

Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make) .

4) Monitor relay :

Voltage free, change-over contact– max voltage 250Vac or 30Vdc– max current 5A/min. voltage 5Vdc – min. current 10mA

See instruction manual to view or configure the switching conditions of relay

–E2/D1 contact is closed when to be configurated condition occurs

- AS1, AS2, AS3, AS4, AS5, AS7, : Voltage free contact –Max voltage 250Vac or 30Vdc– max current 5A
 min voltage 5Vdc– min contact 10mA contact can be configured to make or breake on condition See instruction manual to view or configure switching conditions of relays
- AS8 : Voltage free, change-over contact– max voltage 250Vac or 30Vdc– max current 5A/min. voltage 5Vdc – min. current 10mA
 See instruction manual to view or configure the switching conditions of relay
 –C9/D8 contact is closed when to be configurated condition occurs

7) Options A1,A2,A3 : Internal supply 24Vdc

8) Options B1,B2,B3 : External supply 20–125Vdc or 20–120 Vac (50/60Hz)

9) Controls mode :

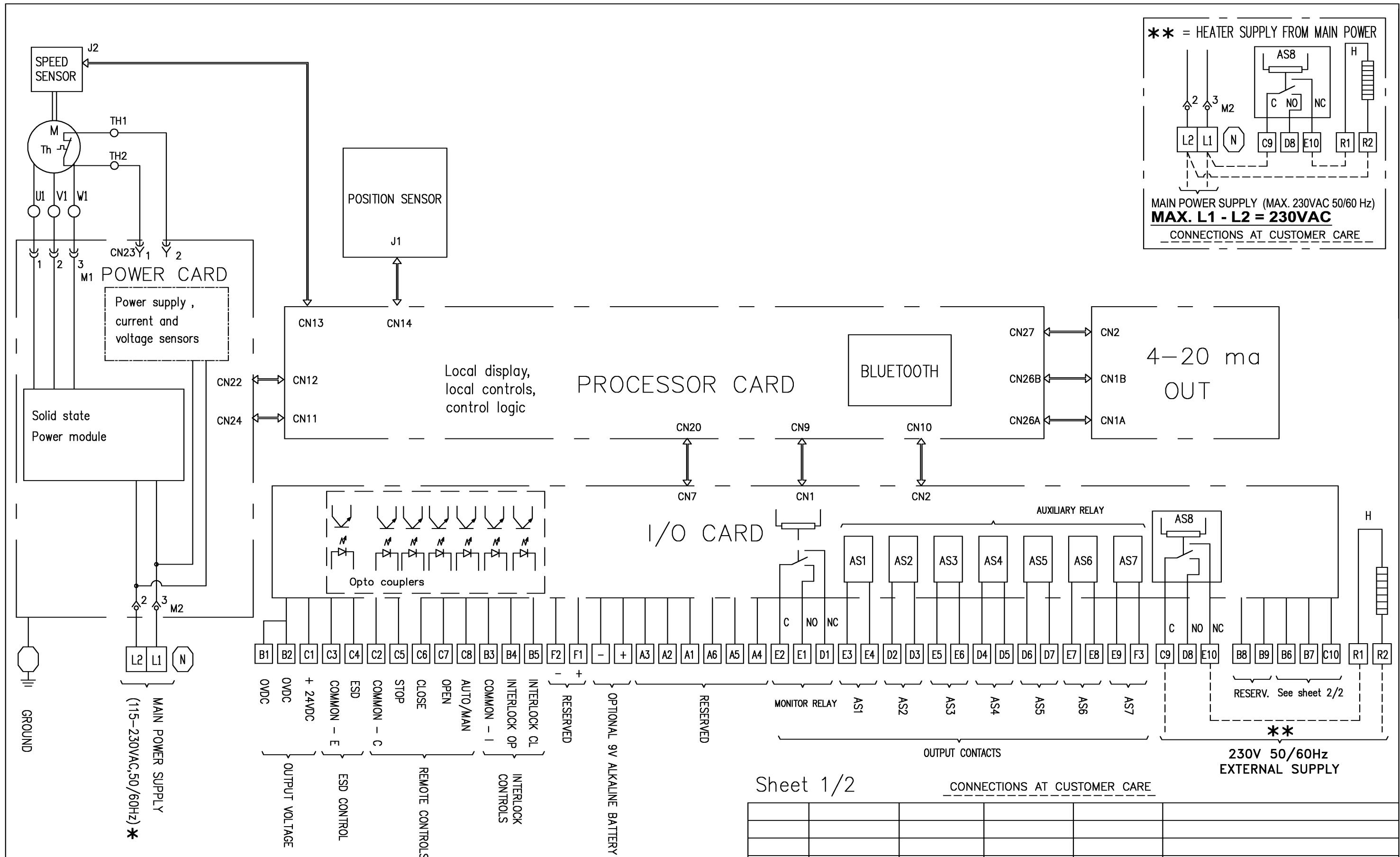
- Option A1/B1 : 4 wires latched (SP configuration = BREAK)
 Option A2/B2 : 3 wires push to run
 : 3 wires latched with instant reverse
 Option A3/B3 : 2 wires open contact opens
 : 2 wires open contact closes

LEGENDA

M	= Three-phase motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor
H	= Heater

1	02–12–19	R. Volpi	F. Campo	M. Stoto	Added "heater supply from main power" option
Rev.	Date	By	Checked	Approved	Description
					Draving Number WD85–AT–OH1
XTE 3000 – WIRING DIAGRAM –					File Sheet 2/2 Date 26–11–19 By R. Volpi Checked R. Volpi Approved M. Stoto

- See instruction manual to configure ESD signal type, ESD action and priority.
If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that
any certification for actuator enclosure in hazardous area will be invalidated.



* For applicable electric supply value see Actuator data plate.

Default relay configuration: (May be modified –see instruction manual)

AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10%/make
AS3 = Selec. REMOTE pos./make	AS7 = ESD/make
AS4 = Overtorque/break	AS8 = Heater control

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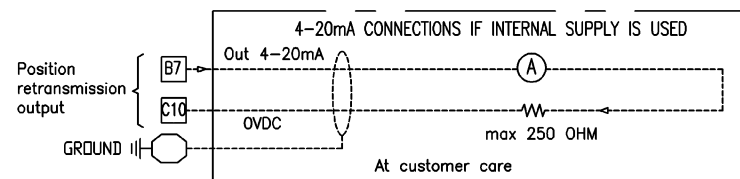
CONNECTIONS AT CUSTOMER CARE					230V 50/60Hz EXTERNAL SUPPLY		
Rev.	Date	By	Checked	Approved	Description		
					Drawing Number		
					X WD85-BM-0H1		
- WIRING DIAGRAM -					File	Sheet 1/2	Date 19-12-19
					By R. Volpi	Checked F. Campo	Approved M. Stoto

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		XTE 3000 — WIRING DIAGRAM —			X	Drawing Number	
					WD85—BM—0H1		
					PREFIX	File	Sheet 2/2
		By	Checked	Approved			
		R. Volpi	F. Campo	M. Stoto			

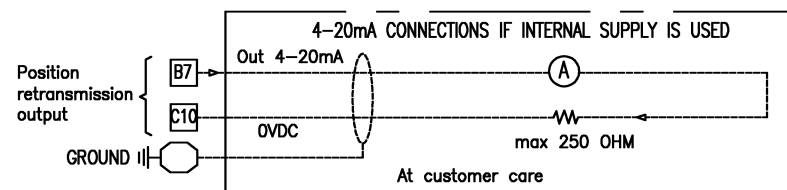
Default relay configuration: (May be modified-see instruction manual)

AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10% /make
AS3 = Selec.REMOTE pos. make	AS7 = ESD/ make
AS4 = Overtorque/break	AS8 = Motor over temperature

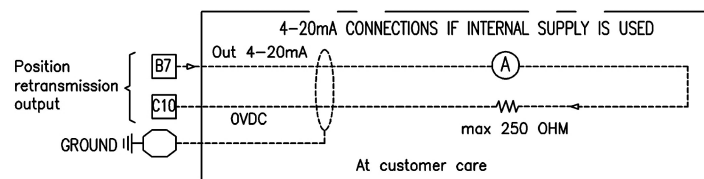
Rev.	Date	By	Checked	Approved	Description
 EMERSON.	XTE 3000 - WIRING DIAGRAM -			X	Drawing Number WD85-BT-000
				PREFIX	File Sheet 1/2 Date 09-05-19 By N.Pathe Checked R. Volol Approved M. Stoto



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 EMERSON.	XTE 3000 - WIRING DIAGRAM -			X	Drawing Number WD85-BT-000
				PREFIX File Sheet 2/2 By N.Pathe	Date 09-05-19 Checked R. Volol Approved M. Stato



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 EMERSON.		XTE 3000 — WIRING DIAGRAM —			X Drawing Number WD85-BT-0H1
					PREFIX File Sheet 2/2 Date 19--12--19
			By R. Voloi	Checked F. Campo	Approved M. Stofa



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 EMERSON™		XTE 3000 - WIRING DIAGRAM -		X	Drawing Number WD85-BT-H00
				PREFIX	File Sheet 2/2 Date 08-05-19 By N.Pathe Checked R. Voloi Approved M. Stot

Rev.	Date	By	Checked	Approved	Description
		XTE 3000 — WIRING DIAGRAM —		X	Drawing Number WD85-CC-000
					File Sheet 1/2 Date 08-05-19 By N.Pathe Checked R. Voloi Approved M. Stoto



- 1) B1-B2 : Internally linked
- 2) C1 : +24 Vdc not regulated, max 4W.
- 3) Control signal levels: Minimum "ON" >20Vdc or 20VAc (50/60Hz)
Maximum "ON" <125 Vdc or 120VAc (50/60Hz)
Maximum "OFF" <3 Vdc or ac
Minimum signal duration > 500ms
Total current drawn for remote controls <25mA
Total current drawn for ESD controls <15mA

Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA

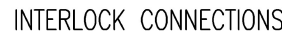
-E2/D1 contact is closed when to be configured condition occurs

- 5) AS1, AS2, AS3, AS4, AS5, AS6, AS7, : Voltage free contact –Max voltage 250Vac or 30Vdc– max current 5A
min voltage 5Vdc– min contact 10mA contact can be configured to make or
break on condition See instruction manual to view or configure switching conditions of relays
- 6) AS8 : Voltage free, change-over contact– max voltage 250Vac or 30Vdc– max current 5A/min. voltage 5Vdc – min. current 10mA
See instruction manual to view or configure the switching conditions of relay
–C9/D8 contact is closed when to be configured condition occurs

- See instruction handbook to configure options A1.A2.A3.B1.B2.B3.

For 4–20mA connections see MAN 618/5, optional modules PSM1 and APTM1.

Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make) .



Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)

Option E2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)

See instruction handbook to configure INTERLOCK signal type



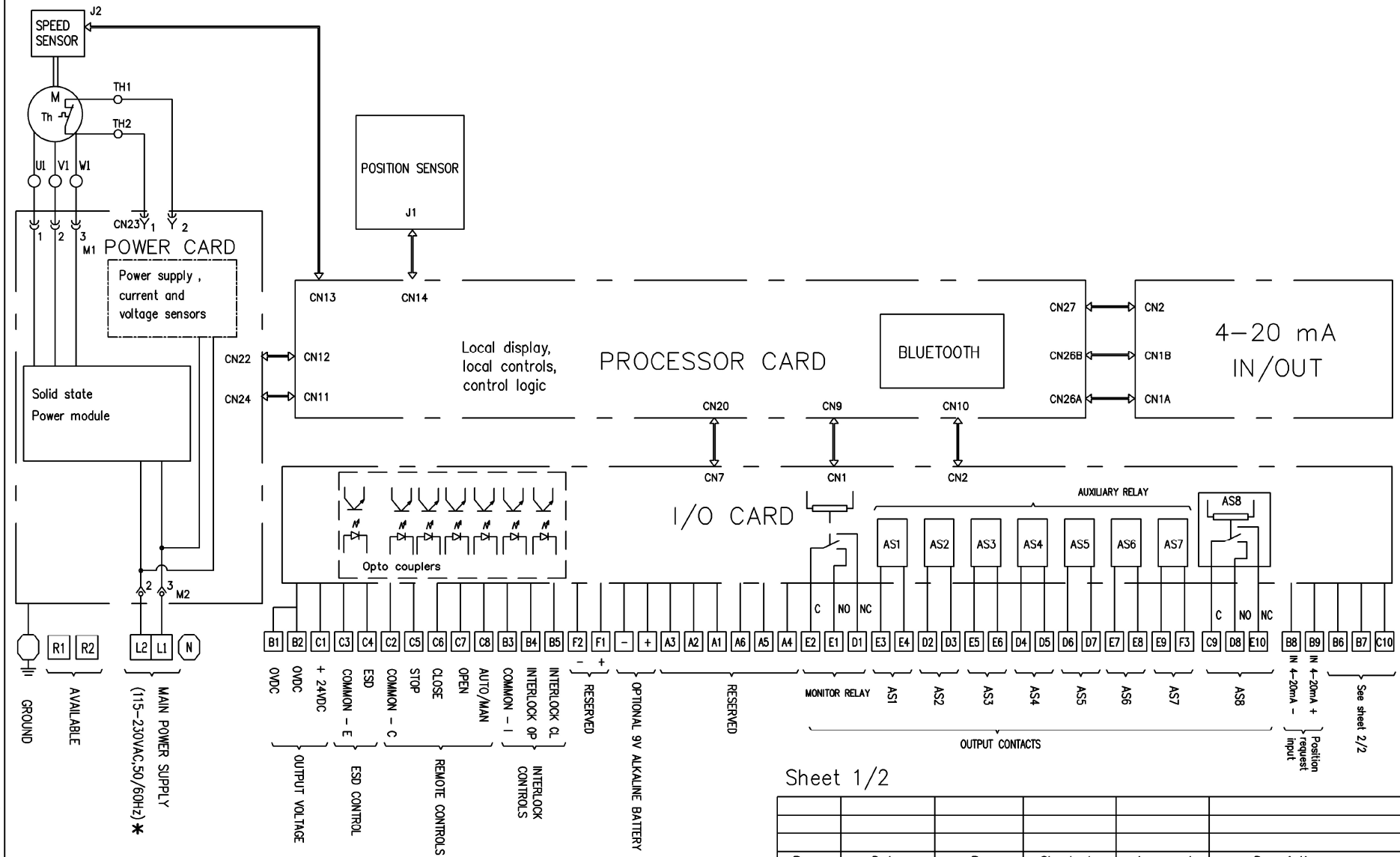
Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)

Option D2: External supply 20–125 Vdc or 20–120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)

See instruction manual to configure ESD signal type, ESD action and priority.
If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

LEGENDA	
MCC	= DC motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor

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					Drawing Number
					X WD85-CM-000
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					By N.Pathe Checked R. Volpi Approved M. Stoto

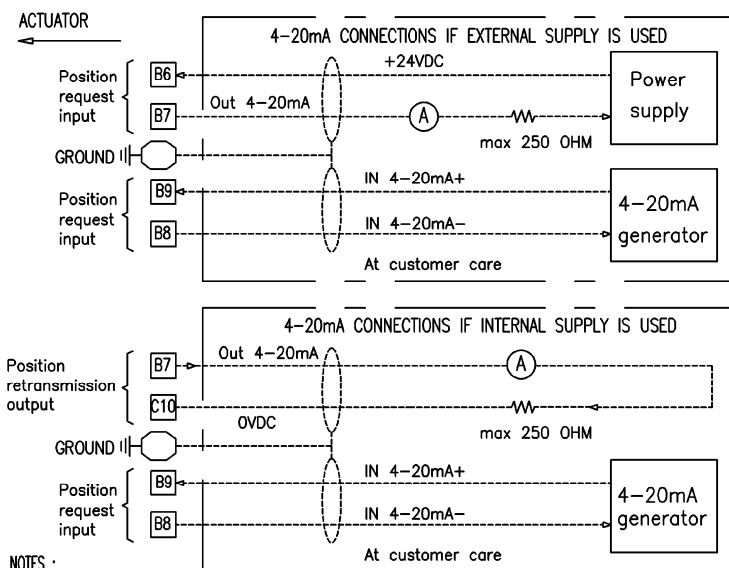


XTE 3000
- WIRING DIAGRAM -

Default relay configuration: (May be modified -see instruction manual)

* For applicable electric supply value see Actuator data plate.

AS1 = Open limit/make
AS2 = Close limit/make
AS3 = Selec.REMOTE pos. make
AS4 = Overtorque/break
AS5 = Motor running/make
AS6 = Position <10% /make
AS7 = ESD/ make
AS8 = Motor over temperature



NOTES :

- 1) B1-B2 : Internally linked
- 2) C1 : +24 Vdc not regulated, max 4W.
- 3) Control signal levels: Minimum "ON" >20Vdc or 20Vac (50/60Hz)
Maximum "ON" <125 Vdc or 120Vac (50/60Hz)
Maximum "OFF" <3 Vdc or ac
Minimum signal duration > 500ms
Total current drawn for remote controls <25mA
Total current drawn for ESD controls <15mA

4) Monitor relay :

Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-E2/D1 contact is closed when to be configured condition occurs

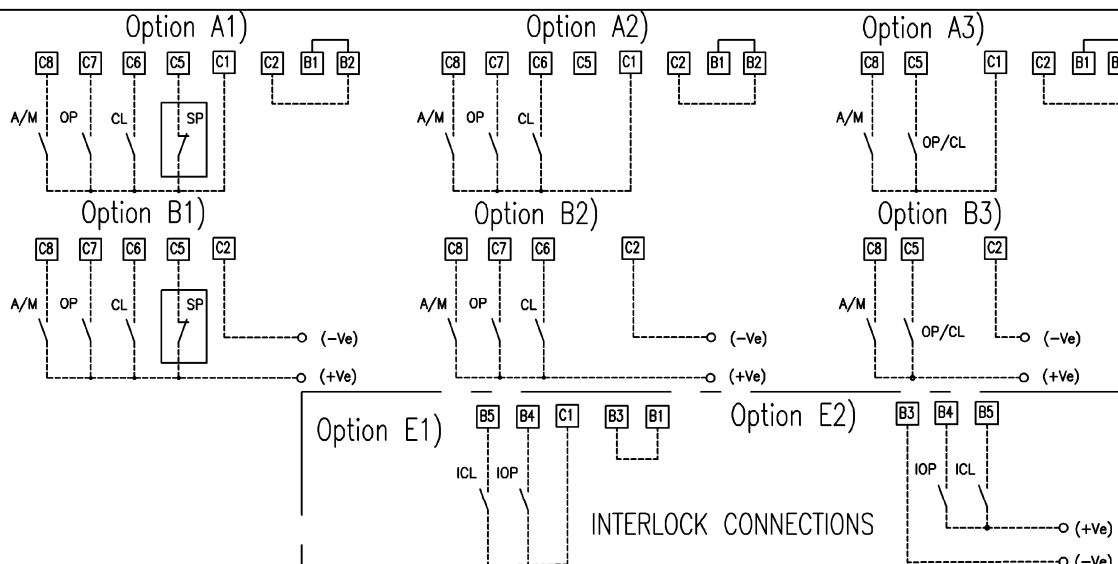
- 5) AS1, AS2, AS3, AS4, AS5, AS6, AS7 : Voltage free contact -Max voltage 250Vac or 30Vdc- max current 5A
min voltage 5Vdc- min contact 10mA contact can be configured to make or break on condition See instruction manual to view or configure switching conditions of relays
- 6) AS8 : Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-C9/D8 contact is closed when to be configured condition occurs

- 7) A1,A2,A3 : Internal supply 24Vdc
- 8) B1,B2,B3 : External supply 20-125Vdc or 20-120 Vac (50/60Hz)
- 9) Controls mode :
Option A1/B1 : 4 wires latched (SP configuration = BREAK)
Option A2/B2 : 3 wires push to run
Option A3/B3 : 3 wires latched with instant reverse
Option A3/B3 : 2 wires open contact opens
Option A3/B3 : 2 wires open contact closes
- 10) A/M Open : Remote/Auto Actuator control by 4-20mA input signal
A/M Closed : Remote/Man Actuator control by remote push-buttons

See instruction handbook to configure options A1,A2,A3,B1,B2,B3.

For 4-20mA connections see MAN 618/5, optional modules PSM1 and APTM1.

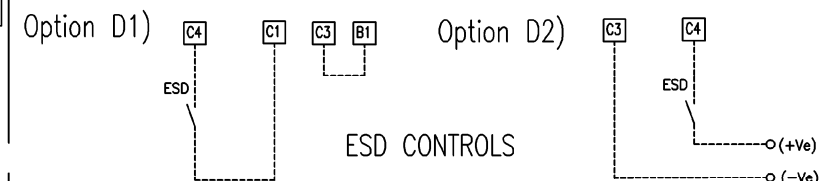
Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make) .



Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)

Option E2: External supply 20-125 Vdc or 20-120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)

See instruction handbook to configure INTERLOCK signal type



Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)

Option D2: External supply 20-125 Vdc or 20-120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)

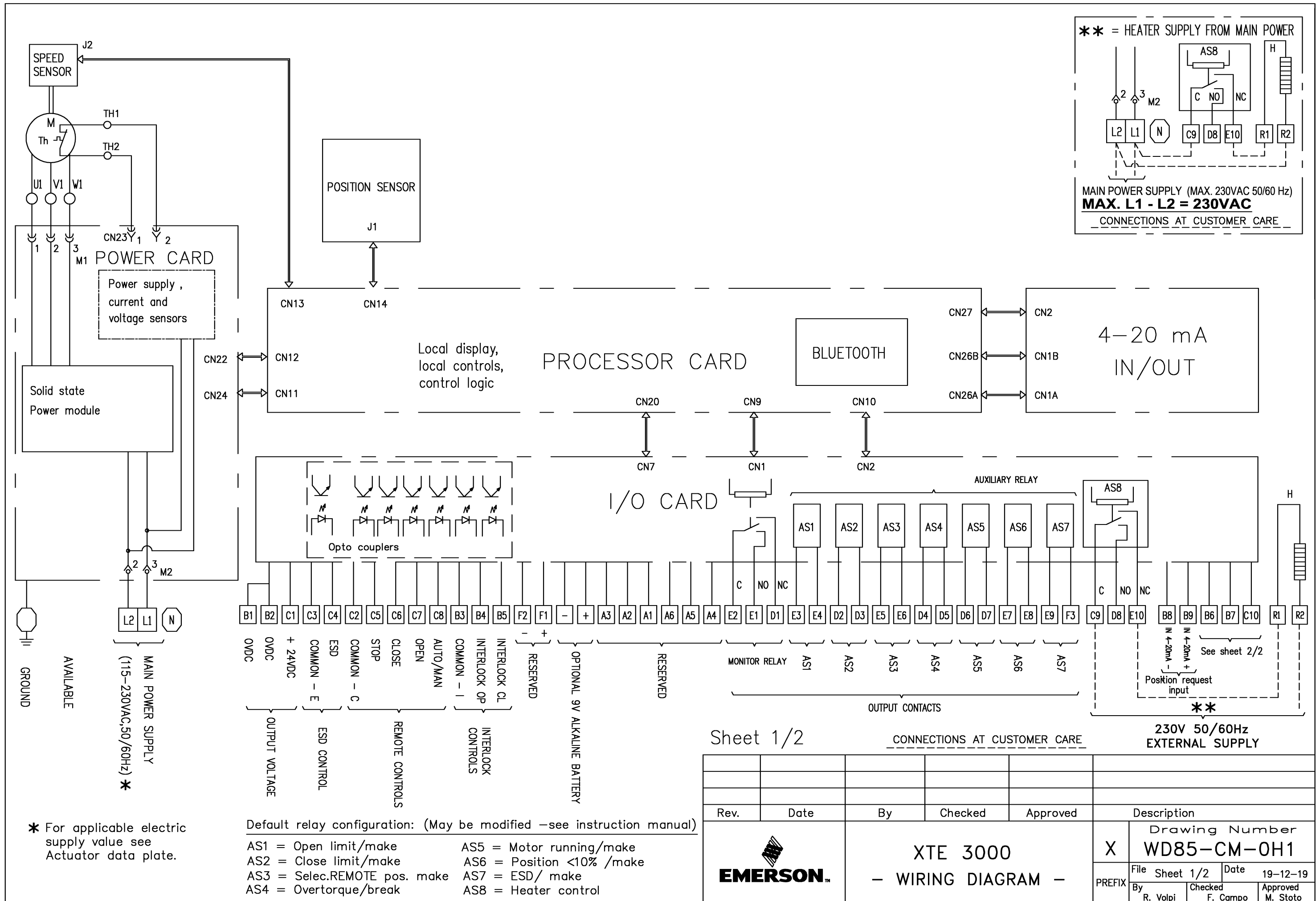
See instruction manual to configure ESD signal type, ESD action and priority.
If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

M	= Single-phase motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor



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- WIRING DIAGRAM -

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					Drawing Number X WD85-CM-000
PREFIX	File	Sheet	2/2	Date	08-05-19
	By	Checked	Approved		
	N.Pathe	R. Volpi	M. Stoto		



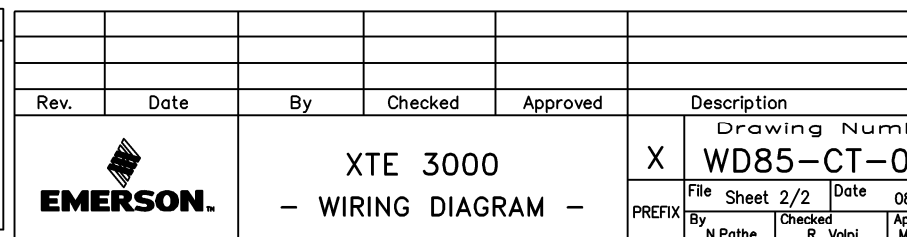
* For applicable electric supply value see Actuator data plate.

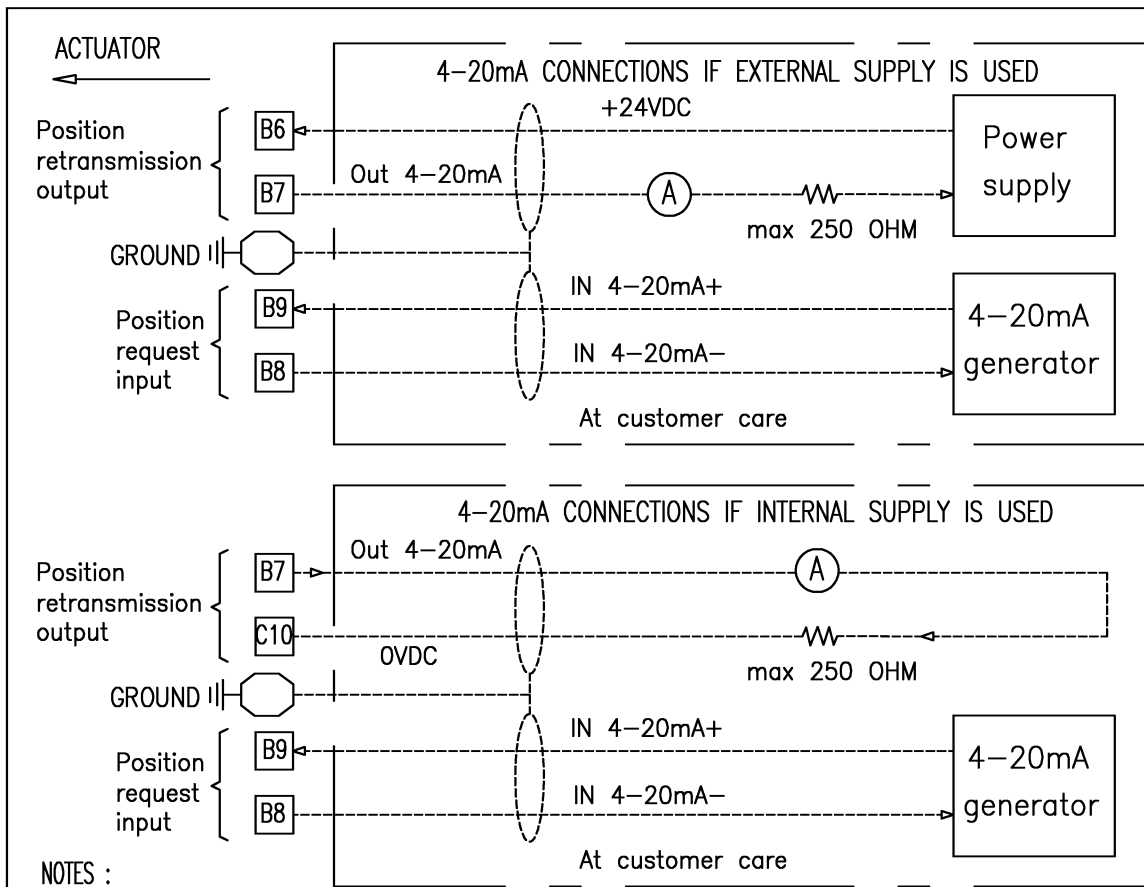
Default relay configuration: (May be modified –see instruction manual)

AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10% /make
AS3 = Selec.REMOTE pos. make	AS7 = ESD/ make
AS4 = Overtorque/break	AS8 = Heater control

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CONNECTIONS AT CUSTOMER CARE					230V 50/60Hz EXTERNAL SUPPLY		
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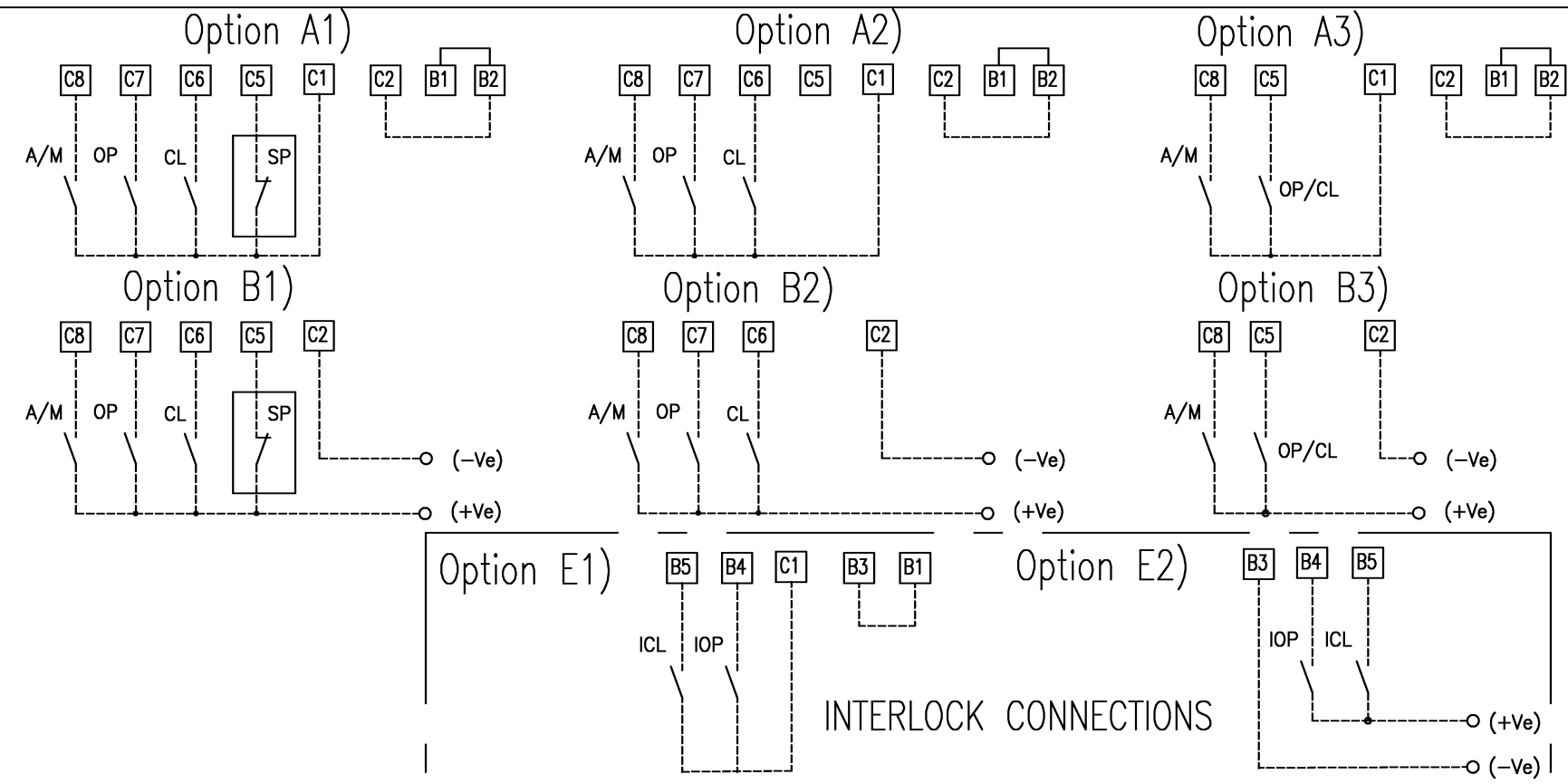


- NOTES :
- 1) B1-B2 : Internally linked
 - 2) C1 : +24 Vdc not regulated, max 4W.
 - 3) Control signal levels: Minimum "ON" >20Vdc or 20Vac (50/60Hz)
Maximum "ON" <125 Vdc or 120Vac (50/60Hz)
Maximum "OFF" <3 Vdc or ac
Minimum signal duration > 500ms
Total current drawn for remote controls <25mA
Total current drawn for ESD controls <15mA
 - 4) Monitor relay :

- Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-E2/D1 contact is closed when to be configured condition occurs
- 5) AS1, AS2, AS3, AS4, AS5, AS6, AS7, : Voltage free contact -Max voltage 250Vac or 30Vdc- max current 5A
min voltage 5Vdc- min contact 10mA contact can be configured to make or breake on condition See instruction manual to view or configure switching conditions of relays
- 6) AS8 : Voltage free, change-over contact- max voltage 250Vac or 30Vdc- max current 5A/min. voltage 5Vdc - min. current 10mA
See instruction manual to view or configure the switching conditions of relay
-C9/D8 contact is closed when to be configured condition occurs

- 7) A1,A2,A3 : Internal supply 24Vdc
8) B1,B2,B3 : External supply 20-125Vdc or 20-120 Vac (50/60Hz)
9) Controls mode :
Option A1/B1 : 4 wires latched (SP configuration = BREAK)
Option A2/B2 : 3 wires push to run
Option A3/B3 : 2 wires open contact opens
10) A/M Open : Remote/Auto Actuator control by 4-20mA input signal
A/M Closed : Remote/Man Actuator control by remote push-buttons

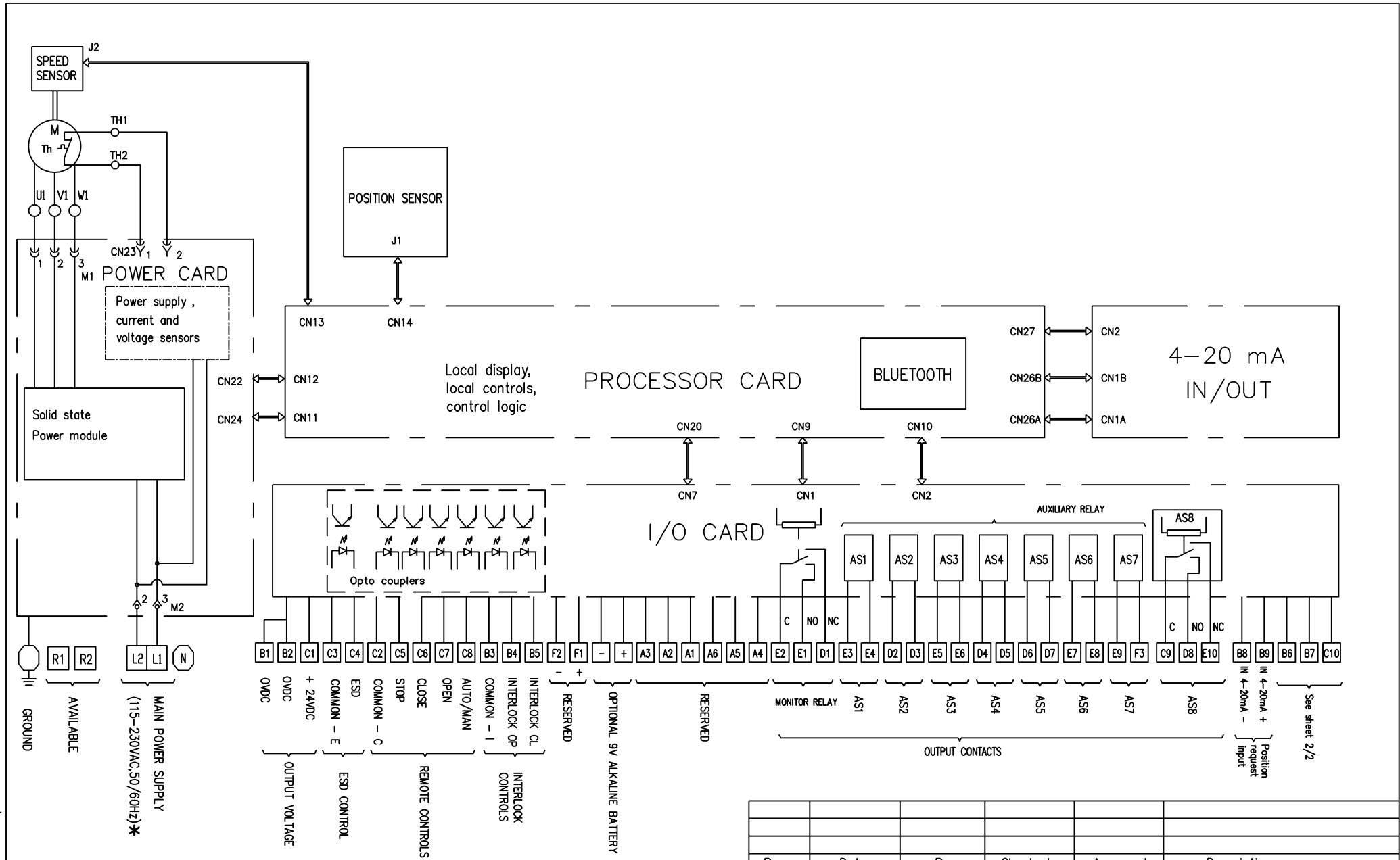
See instruction handbook to configure options A1,A2,A3,B1,B2,B3.
For 4-20mA connections see MAN 618/5, optional modules PSM1and APTM1.
Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make) .



- Option E1: Internal supply 24Vdc INTERLOCK active with closed or open contact (to be configured)
Option E2: External supply 20-125 Vdc or 20-120 Vac (50/60Hz) INTERLOCK active with closed or open contact (to be configured)
See instruction handbook to configure INTERLOCK signal type
- Option D1: Internal supply 24Vdc ESD active with closed or open contact (to be configured)
Option D2: External supply 20-125 Vdc or 20-120 Vac (50/60Hz) ESD active with closed or open contact (to be configured)
See instruction manual to configure ESD signal type, ESD action and priority.
If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

LEGENDA	
M	= Three-phase motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor

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* For applicable electric supply value see Actuator data plate.

Default relay configuration: (May be modified –see instruction manual)

AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10% /make
AS3 = Selec.REMOTE pos. make	AS7 = ESD/ make
AS4 = Overtorque/break	AS8 = Motor over temperature

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 EMERSON™		XTE 3000 — WIRING DIAGRAM —		X	Drawing Number WD85-MM-000	
					File Sheet 1/2	Date 13-05-19
					By N.Pathe	Checked R. Volpi

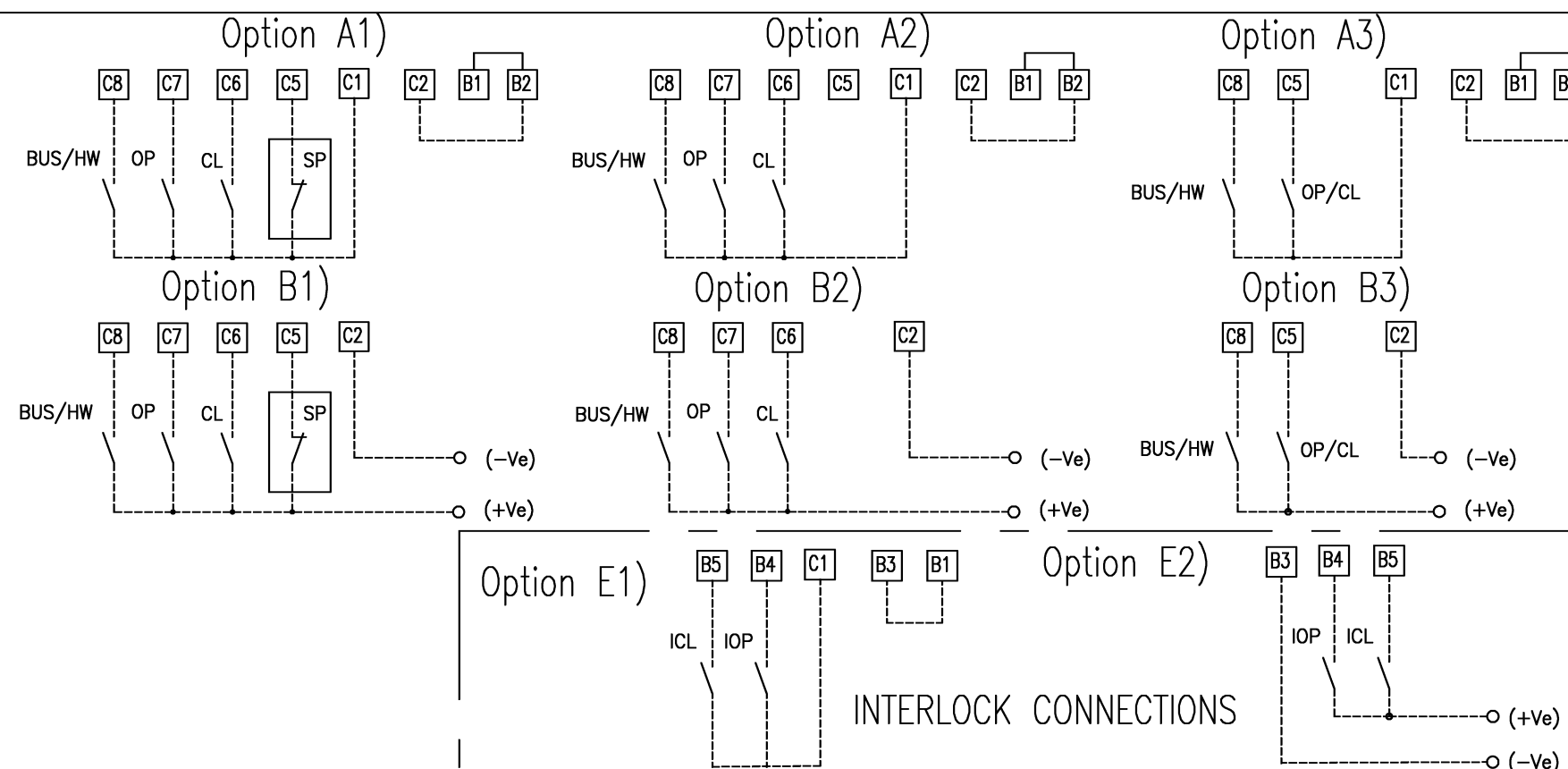


If customers wishes to have the thermostat by-passed during ESD operation, it should be noted that any certification for actuator enclosure in hazardous area will be invalidated.

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AS1 = Open limit/make	AS5 = Motor running/make
AS2 = Close limit/make	AS6 = Position <10%/make
AS3 = Selec.REMOTE pos./make	AS7 = ESD/make
AS4 = Overtorque/break	AS8 = Motor over temperature

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- | | | |
|---|--------------|--|
| { | Option A1/B1 | : 4 wires latched (SP configuration = BREAK) |
| | Option A2/B2 | : 3 wires push to run |
| | | : 3 wires latched with instant reverse |
| | Option A3/B3 | : 2 wires open contact opens |
| | | : 2 wires open contact closes |

Remote STOP control SP can be configured to perform the STOP action when the contact is open (break) or closed (make).

M	= Three-phase motor
Th	= Motor thermostat
OP	= OPEN control
CL	= CLOSE control
SP	= STOP control
K1	= Opening/Closing contactor
K2	= Opening/Closing contactor

Rev.	Date	By	Checked	Approved	Description		
		XTE 3000 — WIRING DIAGRAM —			X	Drawing Number WD85—MM—V00	
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