



XT100 SERIES: NTC, PTC, Pt100, TcJ, TcK, TcS, 4-20mA, 0-1V, 0-10V MULTI-PROBE INPUT

- Universal controllers to manage temperature, humidity and pressure in both the industrial and commercial applications
- Stock optimization: thanks to the multi-probe inputs
- 1 or 2 stage ON/OFF or PID with direct or reverse action
- Temperature inputs: PTC, NTC, Pt100; thermocouple J, K or S by selecting the parameters
- Pressure or humidity inputs: 4-20mA, 0-1V or 0-10V by selecting the parameters
- Direct line power supply 230 (110)Vac. No external transformer required
- Display with integrated measurement unit (°C/°F/%RH/Bar/PSI)
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Serial connection to monitoring systems
- 3VA max power absorption
- Display with red LED (10.5 mm high) and 5 icons

HOW to ORDER

XT100

X T 1 - A B C D U

-17.8

For blue display please contact Dixell

A	B	C		D
Power supply	Measurement unit	Buzzer	Analog output	Input
0 = 12Vac/dc	C = °C	0 = No	No	P = PTC (NTC)
1 = 24Vac/dc	F = °F	1 = Yes	No	T = PTC (NTC, Pt100, TcJ,TcK, TcS)
2 = 24Vac	B = Bar	2* = No	4-20mA	A = 4-20mA, 0-1V, 0-10V
4 = 110Vac	P = PSI	3* = Yes	4-20mA	B = PP07 (-0.5-7bar)
5 = 230Vac	H = %RH	4* = No	0-10V	C = PP30 (0-30bar)
	N = No measurement unit	5* = Yes	0-10V	D = PP11 (-0.5-11bar)
		* Only for D format		H = XH10/20P

1 STAGE CONTROLLERS

XT100

XT110C
XT110D

ON/OFF configurable digital 1 stage controllers

XT111C
XT111D

ON/OFF configurable digital 1 stage controllers with alarm relay



C: 32x74mm

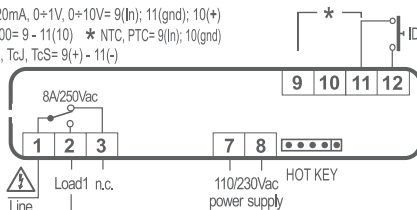
D: 4 DIN Rail

FEATURES	XT110C	XT110D	XT111C	XT111D
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs				
NTC, PTC, Pt100, TcJ, TcK, TcS, 4-20mA, 0-1V, 0-10V	config	config	config	config
Relay outputs				
Stage 1	8A	no 8A/nc 5A	8A	no 8A/nc 5A
Stage 2				
Stage 3				
Stage 4				
Alarm			8A	no 8A/nc 5A
Other				
Digital input	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres*	pres
Serial output	TTL*	TTL	TTL*	TTL
Analog output		4-20mA, 0-10V		4-20mA, 0-10V
Buzzer	opt	opt	opt	opt

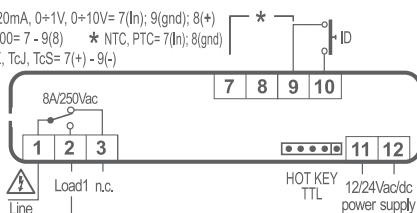
* Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

XT110C

* 4-20mA, 0+1V, 0+10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

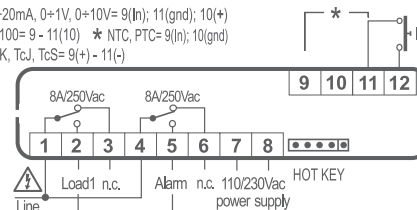


* 4-20mA, 0+1V, 0+10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)

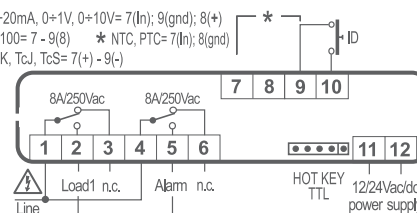


XT111C

* 4-20mA, 0+1V, 0+10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

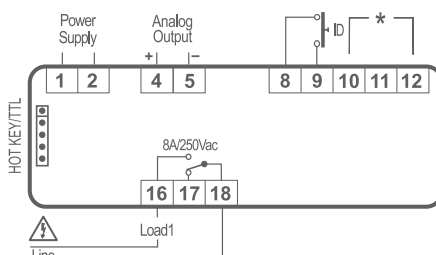


* 4-20mA, 0+1V, 0+10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)



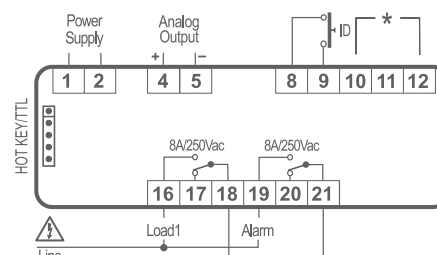
XT110D

* 4-20mA, 0+1V, 0+10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)



XT111D

* 4-20mA, 0+1V, 0+10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)



XT100

2 STAGE CONTROLLERS



C: 32x74mm

D: 4 DIN Rail

XT120C
XT120D

ON/OFF configurable digital 2 stage controllers

XT121C
XT121D

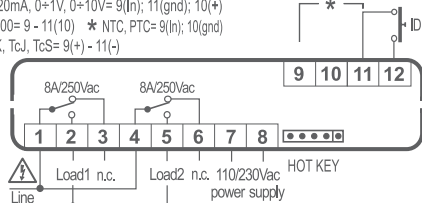
ON/OFF configurable digital 2 stage controllers with alarm relay

FEATURES	XT120C	XT120D	XT121C	XT121D
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs				
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config
Relay outputs				
Stage 1	8A	no 8A/nc 5A	8A	no 8A/nc 5A
Stage 2	8A	no 8A/nc 5A	8A	no 8A/nc 5A
Stage 3				
Stage 4				
Alarm			8A	no 8A/nc 5A
Other				
Digital input	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres*	pres
Serial output	TTL*	TTL	TTL*	TTL
Analog output		4-20mA, 0-10V		4-20mA, 0-10V
Buzzer	opt	opt	opt	opt

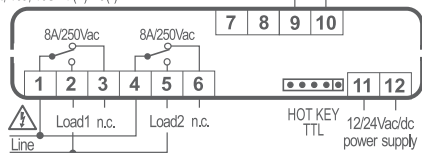
* Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

XT120C

* 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

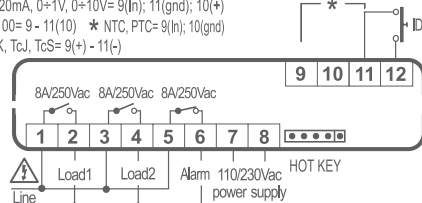


* 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)

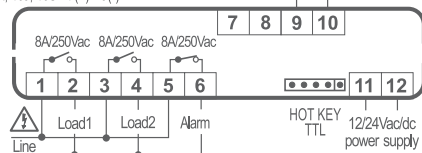


XT121C

* 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

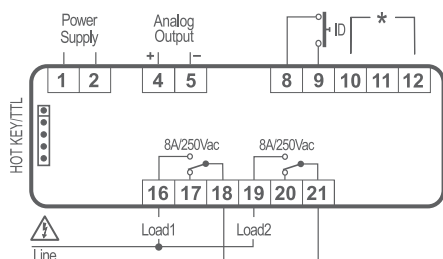


* 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)



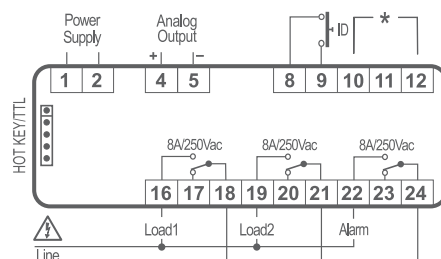
XT120D

* 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)



XT121D

* 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)



XT130C XT130D

ON/OFF configurable digital neutral zone controllers

XT131C XT131D

ON/OFF configurable digital neutral zone controllers with alarm relay



C: 32x74mm

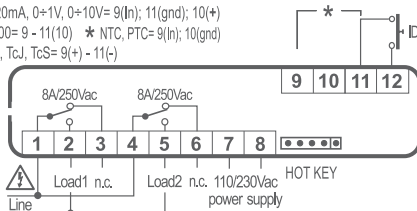
D: 4 DIN Rail

FEATURES	XT130C	XT130D	XT131C	XT131D
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs				
NTC, PTC, Pt100, TcJ, TcK, TcS, 4-20mA, 0-1V, 0-10V	config	config	config	config
Relay outputs				
Stage 1	8A	no 8A/nc 5A	8A	no 8A/nc 5A
Stage 2	8A	no 8A/nc 5A	8A	no 8A/nc 5A
Stage 3				
Stage 4				
Alarm			8A	no 8A/nc 5A
Other				
Digital input	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres*	pres
Serial output	TTL*	TTL	TTL*	TTL
Analog output		4-20mA, 0-10V		4-20mA, 0-10V
Buzzer	opt	opt	opt	opt

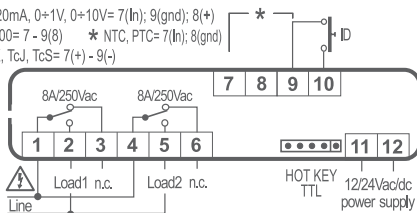
* Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

XT130C

* 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

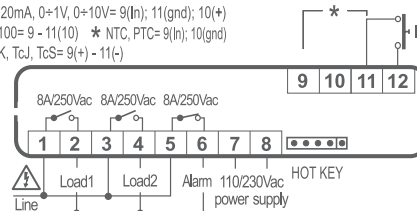


* 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)

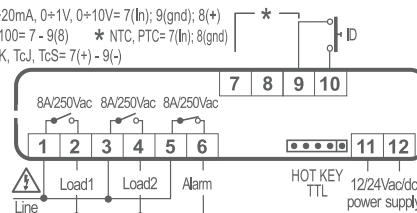


XT131C

* 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
* Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
* TcK, TcJ, TcS= 9(+) - 11(-)

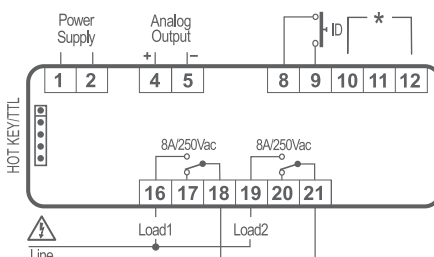


* 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
* Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
* TcK, TcJ, TcS= 7(+) - 9(-)



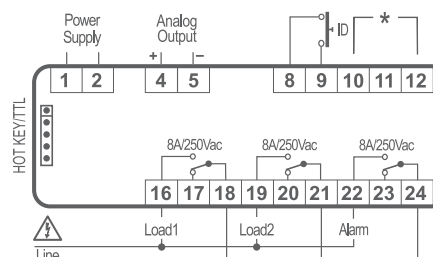
XT130D

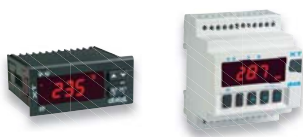
* 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)



XT131D

* 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
* Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
* TcK, TcJ, TcS= 11(+) - 10(-)





C: 32x74mm

D: 4 DIN Rail

XT141C XT141D

Configurable digital 2 stage controllers (1 PID) with alarm relay

XT151D

ON/OFF configurable digital 3 stage controllers with alarm relay

XT160D

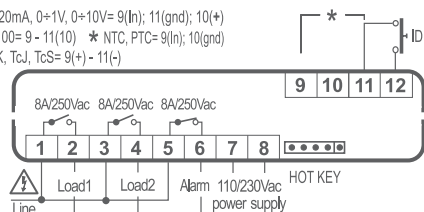
ON/OFF configurable digital 4 stage controllers

FEATURES	XT141C	XT141D	XT151D	XT160D
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs				
NTC, PTC, Pt100, TcJ, TcK, TcS, 4-20mA, 0-1V, 0-10V	config	config	config	config
Relay outputs				
Stage 1	8A	no 8A/nc 5A	no 8A/nc 5A	no 8A/nc 5A
Stage 2	8A	no 8A/nc 5A	no 8A/nc 5A	no 8A/nc 5A
Stage 3			no 8A/nc 5A	no 8A/nc 5A
Stage 4				no 8A/nc 5A
Alarm	8A	no 8A/nc 5A	8A	8A
Other				
Digital input	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres	pres
Serial output	TTL*	TTL	TTL	TTL
Analog output		4-20mA, 0-10V	4-20mA, 0-10V	4-20mA, 0-10V
Buzzer	opt	opt	opt	opt

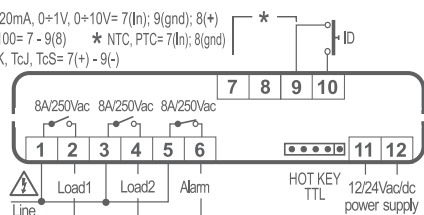
* Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

XT141C

- * 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
- * Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
- * TcK, TcJ, TcS= 9(+)- 11(-)

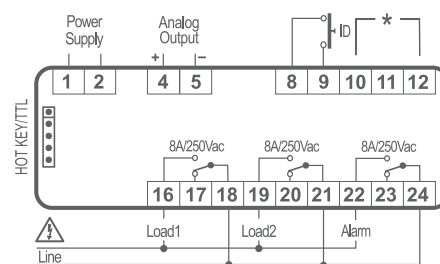


- * 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
- * Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
- * TcK, TcJ, TcS= 7(+)- 9(-)



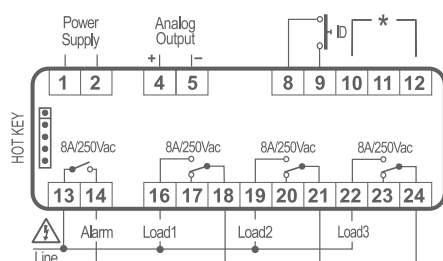
XT141D

- * 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
- * Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
- * TcK, TcJ, TcS= 11(+)- 10(-)



XT151D

- * 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
- * Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
- * TcK, TcJ, TcS= 11(+)- 10(-)



XT160D

- * 4÷20mA, 0÷1V, 0÷10V= 11(In); 10(gnd); 12(+)
- * Pt100= 11 - 10(12) * NTC, PTC= 11(In); 12(gnd)
- * TcK, TcJ, TcS= 11(+)- 10(-)

