

DR 4020 - DR 4022



Applications

The new Eliwell thermoregulators in the Universal Controller series are ideal for all industrial applications requiring high precision temperature control, ranging from the moulding of plastic materials and packaging to raw material transformation process control.

Common features

Front panel: IP65

Container: plastic casing with 4 DIN modules

Dimensions: front panel 70x85mm, depth 61mm

Installation: on DIN rail (Omega 3) or panel mounting, with 70x45mm (+0.2/-0.1mm) drilling template

Operating temperature: -5...55°C

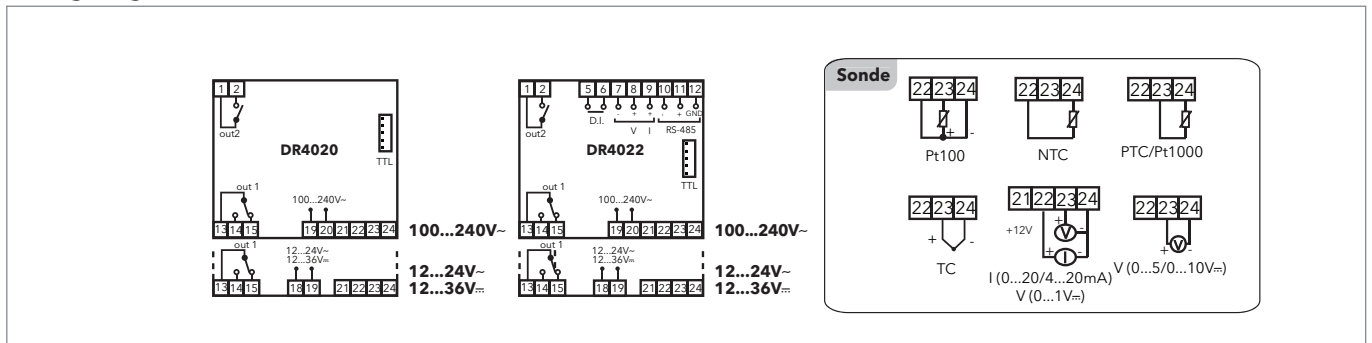
Storage temperature: -20...85°C

Ambient humidity for operation and storage: 10...90% RH (non-condensing)

General features	DR 4020	DR 4022
Display:	no decimal point * 2 4-digit displays + sign	no decimal point * 2 4-digit displays + sign
Analogue inputs:	1 input* (see Probes table)	1 input* (see Probes table)
Digital inputs:	not available	1 clean contact at extra low safety voltage
Connections:	TTL port for connection to Copy Card, Televis ^{System} and systems with ModBus protocol	TTL port and internal RS-485 for connection to Copy Card, Televis ^{System} and systems with ModBus protocol
Digital outputs:	1 SPDT 8(3)A 250V~ + 1 SPST 8(3)A 250V~	1 SPDT 3A 250V~ + 1 SPST 2A 250V~
Analogue output:	not available	V-I: 0...1V, 0...5V, 0...10V / 0...20mA, 4...20mA
Measurement range:	according to probe used	according to probe used
Accuracy:	according to probe used	according to probe used
Resolution:	according to probe used	according to probe used
Power consumption:	4W max	4W max
Power supply:	<ul style="list-style-type: none"> 12...24V~/12...36V= ±10% 50/60Hz 100...240V~ ±10% 50/60Hz 	<ul style="list-style-type: none"> 12...24V~/12...36V= ±10% 50/60Hz 100...240V~ ±10% 50/60Hz

*(selectable by parameter)

Wiring diagram



Codes

p/n	description	Probe
E4D12E0XBH700	DR 4020	Pt100
E4D12A0XBD700	DR 4020	TCJ
E4D12I0XBN700	DR 4020	4...20mA
E4D12N0XBH700	DR 4020	NTC

Codes

p/n	descr.	Probe
E4D12EASBH700	DR 4022	Pt100
E4D12NASBH700	DR 4022	NTC
E4D12AASBD700	DR 4022	TCJ