

REGARD – 1

REGARD single channel control unit

Installation and Operating manual Part number 4208591

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Appendix F – Specifications

Description	Single channel control unit for a standard 4..20mA input	Single channel control unit for a standard Pellistor input
Size	270mm × 270mm × 90mm	270mm × 270mm × 90mm
Weight (without batteries)	<2.5Kg	<2.5Kg
Enclosure material	ABS - VO	ABS - VO
Colour	Grey	Grey
Mounting	Three point	Three point
IP rating	IP65	IP65
Cable entries	6 × M20 (preformed)	6 × M20 (preformed)
AC Input voltage	98Vac to 253Vac, 50/60Hz	98Vac to 253Vac, 50/60Hz
DC Input voltage (Internal batteries only)	27.6Vdc ± 2Vdc	27.6Vdc ± 2Vdc
Battery charge voltage	27.6Vdc @ 500mA ± 0.6Vdc	27.6Vdc @ 500mA ± 0.6Vdc
DC Output	24Vdc @ 100mA ± 1Vdc	24Vdc @ 100mA ± 1Vdc
Battery type	Yuasa NP1.2,12 (12V, 1.2AH)	Yuasa NP1.2,12 (12V, 1.2AH)
A1 and A2 Output	24Vdc @ 100mA ± 1Vdc	24Vdc @ 100mA ± 1Vdc
Alarm relays	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Rising/Falling Latching/Non-latching Normally de-energised	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Rising/Falling Latching/Non-latching Normally de-energised
Fault relay	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Latching/Non-latching Normally energised	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Latching/Non-latching Normally energised
Inhibit relay	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Non-latching Normally de-energised	Volt free change over Max. 250Vac, 3A Max 30vdc, 2A Non-latching Normally de-energised
Visual outputs	Alarm, Inhibit. Power and Fault LED's LCD display	Alarm, Inhibit. Power and Fault LED's LCD display
Transmitter input	2 or 3 wire 4..20mA, 24Vdc @ 400mA max.	3 wire Pellistor max. constant current 350mA
Storage temperature	-10 deg C to 60 deg C	-10 deg C to 60 deg C
Operating temperature	0 deg C to 55 deg C	0 deg C to 55 deg C
Storage humidity	0 to 100%, non condensing	0 to 100%, non condensing
Operating humidity	0 to 100%, non condensing	0 to 100%, non condensing
Warm-up time	< 30 seconds	< 30 seconds
Response time	< 2 seconds	< 2 seconds
Galvanic cradle	Stahl type 9303	Not to be used
Approvals	ATEX pending	ATEX pending
Marking and labelling	Gas and measuring range by independent label Label to carry CE	Gas and measuring range by independent label Label to carry CE