

Compact-M2 R20

Key features

Small, compact and robust housing design with up to 20 outputs. Customized solutions are available

Configurable and programmable via NBB programming tools



Technical information

Communications	Single channel FSK
Safety	Multi bit address code with over a million combinations
Frequency bands	433.05 – 434.79 MHz 868 – 868.975 MHz 915 – 916.650 MHz (NA) Others available upon request
RF power	< or = 10 mW < or = 20 mW (NA)
Operating range	≤ 100 m
Antenna	External BNC connection
Command response time	15/60 ms typical
Supply power	8 – 35 VDC
Power draw	<4 VA at 12DC, <3 VA at 24 VDC

Receiver specifications

Housing	Impact resistant fiberglass reinforced polycarbonate
Environmental protection	IP65
Operating temperature	-20 °C to 70 °C
Dimensions	232 x 87 x 65 mm
Weight	0.8 Kg
Diagnostic LEDs	2 - bi-color LED's for operation status and error messages

Equipment compliance

CE certification	Yes
FCC compliance	Part 15

Controls

Outputs	12 – Configurable solid state PWM or On/Off outputs at **4A max 8 – Solid state switching (NO) On/Off outputs at **4A max 8 – Ratiometric voltage outputs (Danfoss)
E-stop	1 – NO or 2 – NO or 1 – NO+1 – NC single contact forcibly guided @ 4A max PLd rated
Inputs	2 – Digital opto-coupled @ up to 30 VDC
I/O	1 – Receiver programming port

Option expansion controls

I/O	2 – CAN ports 1 – RS232
Outputs	2* – Analog outputs 0-10V DC or 2* – Digital opto-coupled @ up to 30 VDC *instead of 2 Solid state switching (NO) On/Off outputs
Voltage outputs	Ratiometric outputs can be reconfigured to accommodate: 0 – 10 VDC, 0 – 5 VDC, 0.5 – 2.5 – 4.5 VDC or -10 – 0 – +10 VDC

Connections

Controls I/O	1 – 2.5m Pigtail harness with bare wire leads standard. Custom lengths and connections avail.
Programming	1 – External programming connection

Dimensions

