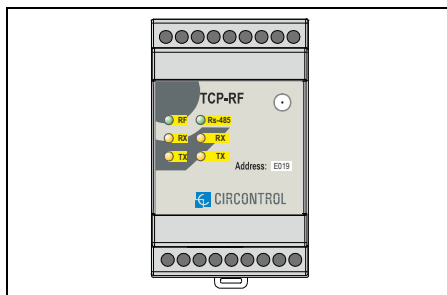


MAGNETIC SENSORS CONTROLLER



This is a manual describing the **TCP-RF CONTROLLER**.
You can find this manual in electronic format on the
Circontrol web: www.circontrol.com



Before performing any maintenance, repair or handling of any of the connections of the equipment, must disconnect the device from any power source and also the connection of measurement. When you suspect a malfunction of the equipment please contact the service. The design of the equipment allows a quick replacement in case of failure.



If the equipment is used in a way not specified by the manufacturer, the protection guaranteed by the equipment may be compromised.

1. DESCRIPTION

This device is the controller for the magnetic sensor which processes the external bay detection. It processes the RF and RS-485 communications.

2. COMMUNICATIONS PROTOCOL

The communications protocol used by the device is a proprietary RF protocol between the controller and the devices. The protocol used to communicate with displays and parking counters is through RS-485 at 19200. 8. N. 1.

3. TECHNICAL FEATURES

Power supply	
Power supply	48 Vdc +/- 25%
Power consumption	2 W

Ethernet Interface	
Interface	Ethernet 10Mbps
Protocols	TCPP, UDP/IP, ARP, ICMP, SNMP, TFTP, DHCP, BOOTP, http y AutoIP

Serial interface	
Interface	RS-485
Communications protocol	19200, 8, N, 1
CPU	Programmable thr. RS-485 Programmable thr. Ethernet

RF Interface	
Interface	RF 863..870MHz ISM
Protocols	--

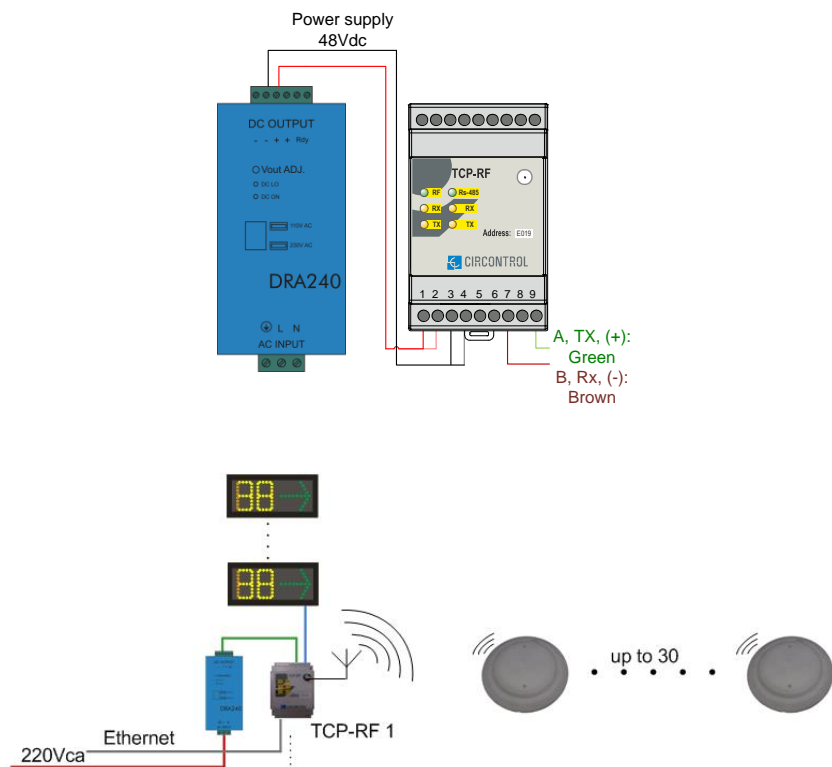
Environmental conditions	
Operating temperature	-10 °C to +60 °C
Protection	IP20

Mechanical Features
ABS Box with DIN rail, 3 modules

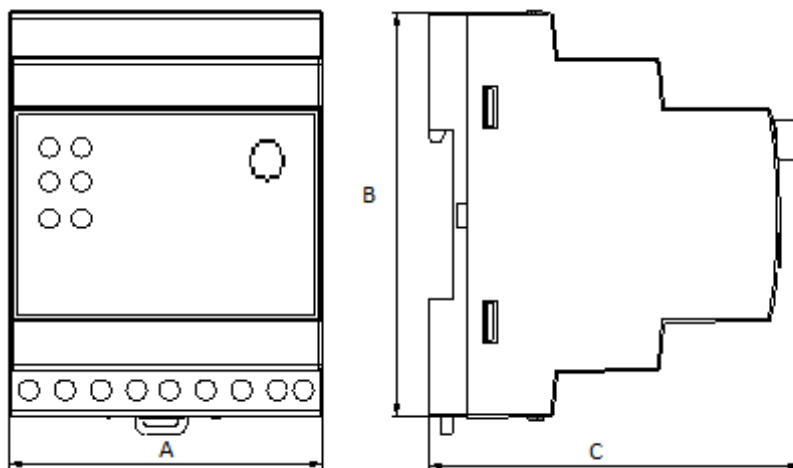
Dimensions	
Dimensions	52.3 x 85 x 76 mm (A,B,C)
Weight	150 g

Safety regulations		
EN61000-4-2	Electrostatic discharge immunity	
EN61000-4-3	Radiated immunity	electromagnetic field
UNE-EN55011	Measurement of emissions of radiated electromagnetic fields	
IEC61010	Electrical Safety	
EN61000-4-11	Voltage dip and interruption immunity	
EN61000-4-2	Electrostatic discharge immunity	
EN61000-4-4	Fast transient immunity	
EN61000-4-5	Shockwave immunity. Climatic tests	

4. INSTALLATION AND CONNECTIONS



5. DIMENSIONS



6. SERVICE SUPPORT

In the event that operation or damage, call for technical service of **CIRCONTROL, S.A.**

CIRCONTROL, S.A. – After sales service
Innovació, 3 (Industrial Park Can Mitjans)
08232 Viladecavalls

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