



CCFFPN14 FFR2 READER MODULE



The FFR2 Reader Module is a RFID reader with intrinsically safe antenna connections. The Reader Module drives the nozzle and panel antennas and to acquire the tag ID, which is sent to the RFID Controller via the existing cables which are laid between the pump and the controller.

The reader communicates through the Nozzle and/or Panel Antenna to the Vehicle and personal tags. Two antennas and two sets of annunciators can be connected to a single FFR2

The FFR2 is designed to read Hitag1, Hitag2 and Hitag-S in the 125KHz frequency range.

This Reader is capable of communicating to a control system through a serial RS485 or Wi-Fi interface.

The FFR2 Can be supplied as a standalone module, with its own safety barrier for zone 0 antenna install and in a fully encapsulated enclosure for a complete installation within hazardous locations.

Specifications	
Mounting	Din Rail Top hat and C section
Power Supply	9VDC
Dimensions	115 x 22.6 x 99mm
Current consumption	50 mA Av, RFID active: 170 mA Max
Operating frequency	125 KHz
Operating Temperature	-20°C – 60 °C
Antenna output	2 x to suit CNG, Nozzle and Panel Antennas. IS safe outputs suitable for Hazardous Zone
Encryption	Crossecom's propriety code
Tag Type	Hitag1; Hitag2; HitagS
Read Range	10 – 90 mm depending on tag type and Antennas
User Indicators	6 LED outputs, 2 Buzzers
Interfaces	485 Control Interface USB 2.0 and serial configuration and debug
IP Rating	20
IEC 60079 Marking	[Ex ia Ga] IIA