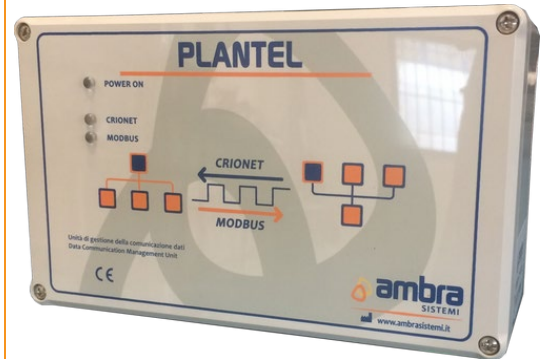


PLANTELPLUS

PLANTELplus is a transcoder from MODBUS / RTU to CrioNet local network protocols.

By PLANTELplus, you can extend the local and remote monitoring functions, already available for CrioNet units like FLOTEL, FLOTELplus-MED, CRIOTEL, MIXTEL, CRYOSWITCH, LIQ-SWITCH and FLOGUARD, to any further device equipped by MODBUS / RTU slave interface, like PLCs and others.

PLANTELplus collects information from the MODBUS units and forwards it into a CrioNet local network: the same information can be further collected and sent in remote and / or shown in local by a MODCOM communication (rel.6.0 or above) unit and / or a FloGuard local repeater. MODCOM communication unit sends regular updates and alarm status in real time towards a remote mainframe, where the web application CSS (Criosystem Supervisor) allows consulting current condition of the ModBus units by PC and mobile devices, like Tablet and Smartphone, and a standard browser.



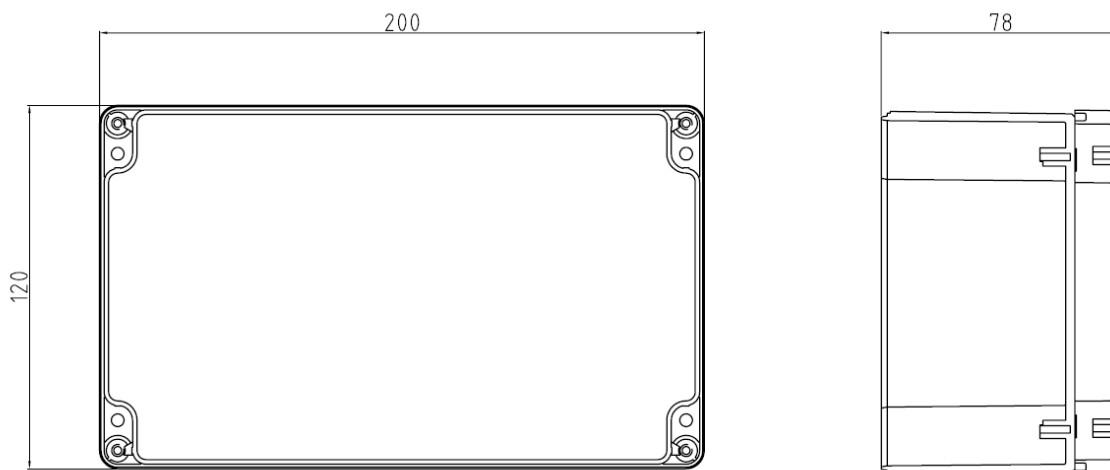
**CRIONET slave to MODBUS /RTU master
GATEWAY**

REMOTE MONITORING

TECHNICAL SPECIFICATIONS

Power supply	230 Vac 50/60 Hz, Pmax 5 VA, fuse 0.5 A
Visual indications	Power on: green LED on front panel Ø 5 mm Network activity on AMBRA CRIONet: LED on front panel Ø 5 mm Network activity on ModBus: LED on front panel Ø 5 mm
ModBus command code	04 - Read Input Registers, no diagnostic function
Housing	ABS enclosure for wall mounting, size 200x120x78(d) mm., IP 56
Local network interface	Insulated RS485, Insulation 4 KV, Protocol: CrioNet Master / ear Insulated RS485, Insulation 4 KV, Protocol: ModBus / RTU slave
Weight	200 g
Operating temperature	0...65 °C
Approvals	2014/35/EU LVD, 2014/30/EU EMC, RoHs 2011/65/EU

DIMENSIONS



dimensions in mm

PRODUCT CODES

CODE	DESCRIPTION
0001-21-002	ModBus I/F to CrioNET for non-Crionet compatible devices and multi PLC I/F