![ELPRO Technologies logo]

115E-2-ERT

Reliable Flood Warning and Disaster Management Gateway

Features

- Supporting ALERT & ALERT2™ protocols
- Simple migration of existing ALERT1 equipment to ALERT2™
- Serial & Ethernet Connectiivty
- Modbus TCP/RTU & DNP3 Protocol gateway for SCADA integration
- Enhanced security for both cyber and data transmission
- Logging support, internal Flash memory for recorded data retrieval
- Remote Dashboard for remote access and diagnostics
- Additional onboard I/O for Alarming

Description

The ELPRO 115E-2-ERT Gateway provides Disaster Management services, connectivity to Flood Warning and monitoring networks via the ALERT1 and ALERT2 protocols.

The 115E-2-ERT Gateway allows for the conversion of legacy ALERT1 systems to migrate into ALERT2 Networks with minimal disruption to the network and provides for ALERT 2 devices to be interfaced into existing ALERT1 networks and software today allowing the upgrade from ALERT1 to ALERT2 networks to be performed easily with full reliability maintained.

Supporting Modbus RTU / TCP and DNP3 Protocols, Flood Warning networks today can be integrated into existing SCADA networks via these common Municipal SCADA Protocols providing the cross sharing of rain fall, river level data into Municipal water and sewerage networks.

Applications

- Flood Warning Systems
- Enviromental Monitoring
- Water over road indications
- SCADA Networks

Specification	Description
Protocols / Configuration	
User Configuration	All user-configurable parameters via HTTPS
Protocols	ALERT2™ ALERT Modbus TCP/RTU - Client/Server, Master/Slave DNP3 IO (Level 2+)
IOPlus	Statement list logic programming (max 300 lines) Logical operations, arithmetic, timer, flow control
Configurable Parameters	ALERT1, ALERT2™ ID to register mapping ALERT1 / ALERT2™ ID conversion Modbus & DNP3 I/O & Gateway mapping
Security	Secure HTTP Protocol Secure Multilevel password protected configuration

115E-2-ERT™
ALERT Gateway

Specification	Description
LED Indications and Diagnostics	
LED Indications	Power/OK, RS232, RS485, Digital I/O, Analog I/O status
Reported Diagnostics	Connectivity information, Statistics, System Log file
Connections	
Ethernet	10/100BaseT, RJ45, IEEE 802.3
Serial	1 x RS232 (RJ45) 1 x RS485
USB Type B	Local unit Configuration
USB Type A	Retrieval of logged data to USB memory stick
Terminals	Removeable, max. conductor 12 AWG 2.5mm² (º.¹ in²)
Input and Output	
Discrete Input/Output	8 Digital I/O (Discrete/Pulsed, Rain or River encoder)
Analog Inputs	2 x Differential analog inputs 2 x Single ended analog inputs Current range 0-24mA Voltage Input Range AI 1/2 0-25V, 3/4 0-5V
Analog Output	2 AO (sourcing) Current range 0-24mA

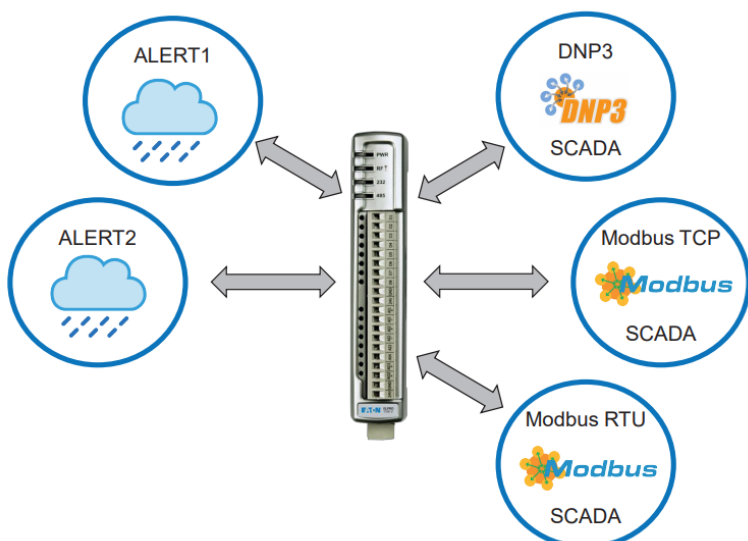| Specification	Description
Power Supply	
Nominal Supply	11-30Vdc, under/over voltage protection
Average current draw	220mA @ 12V, 110mA @ 24V
Battery Charger	Internal battery charger for backup gel cell type battery
General	
Size	180mm x 150mm x 35mm (5.9" x 7.09" x 1.38")
Housing	IP20 High density thermoplastic
Mounting	DIN Rail
Temperature Rating	-40 to +60°C (-40 to +140°F) 0-99% RH non-condensing
Weight	0.5kg (1.1lb)
Compliance	
EMC	FCC Part 15; EN 55022, AS 3548 CE
Safety	IEC 60950 (RoHS compliant)

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