RE-757RT
PROTOCOL CONVERTER MODULE

General

RE-757RT covers the use of Modbus communication via an 'Intranet' or 'Internet' environment using the TCP/IP protocols. This device acts as an interface between AARAL and BMS or ravel's monitoring software. The output of the device can be configured either as Modbus or CMS (Monitoring or Graphics software) through TCP/IP and its primary function is to get data from FACP and place it in Modbus or CMS format so that the external communication/monitoring devices can understand the status of Addressable Fire Alarm Panel. TCP/IP is simply a transport layer protocol and does not change the way data is stored or interpreted inside the message.
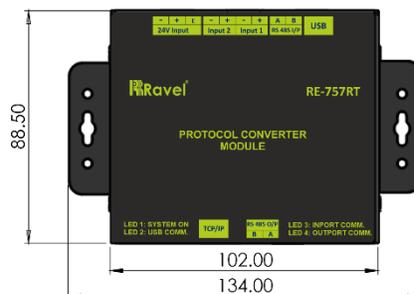
Features

- CE approved.

- Give full details of inputs and outputs of panel.

- LED for power and transceiver status.

- The protocol converter has Inputs USB, RS485.

- 2 Output mode RS485 Modbus and TCP/IP - Modbus / PC Software.

- 10/100M auto sensing Ethernet mini card for embedded device networking.

- Low power consumption.

- IP 50.

Specification

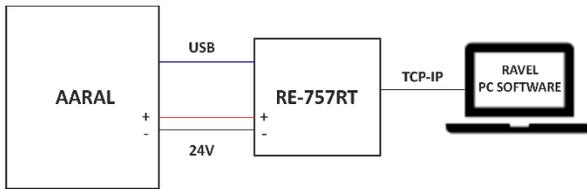| Electrical Specification	
Operating Voltage	24 VDC
Operating Temperature	0 – 49° C / 32 – 120° F
Storage Temperature	0 – 49° C
Relative Humidity	93 ± 2% RH (non-condensing) at 32 ±2° C/96 ±3° F
Standby Current	≤ 50mA Max
Cabinet Finish	Epoxy Powder Coated
Communication	Input – RS 485, USB Output – RS 485, TCP-IP
Colour	Black
Size	88.5L x 134W x 35D in mm

Dimension

Wiring Diagram

Input: Connect USB or RS 485 from fire alarm panel to RE-757RT.
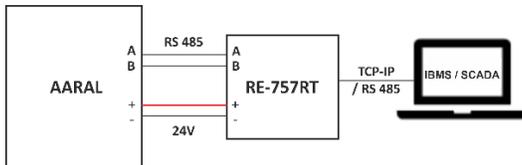Output: To view CMS (Graphics or central monitoring) software, connect ethernet from RE-757RT to a computer.
The Modbus output can be viewed in PC from RE-757RT either as TCP-IP output or RS 485 output.

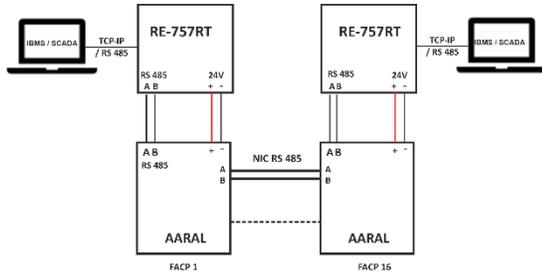| Panel	AARAL	Networked AARAL
Protocol	CMS / Modbus	Modbus
Input Port	CMS: USB; Modbus: RS 485	RS 485
Output Port	CMS: TCP-IP; Modbus: RS 485 / TCP-IP	RS 485 /TCP-IP

AARAL CMS:

AARAL MODBUS:

Networked AARAL:

Note: The panel address and 757RT address should be same .

Compatible Panel

Model	Description
AARAL X4	Analogue Addressable Fire Alarm Control Panel expandable upto 4 loopcards
AARAL X8	Analogue Addressable Fire Alarm Control Panel expandable upto 8 loopcards

Ordering Information

Model	Description
RE-757RT	Protocol Converter Module

*Ravel reserve the right to change the specification without prior notice.