WIRELESS NETWORK BASE STATION FLTA

FLTA is a base station for wireless network transmitters and I/O modules. From FLTA, the controls and measurements can be read via Modbus RTU and through the 8 analogue outputs. Respectively the control signals that come to base station via Modbus can be directed to I/O modules.

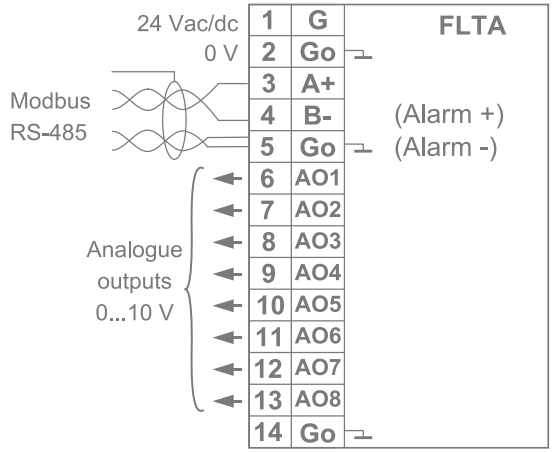
Temperature, humidity, set point, 5-stage switch position and digital input status together with LAFL detector and RYFL I/O module analogue and digital signals can be directed to the base station analogue outputs.

FLTA base station needs a FLAN antenna. The transmission area can be extended by using 1...8 FLREP or FLREP-U repeaters between transmitters and the FLTA base station.

One FLTA base station supports up to 99 transmitters or up to 20 I/O modules. Up to 63 FLTA base stations can operate in the same wireless network area. However, the maximum number of transmitters and I/O modules depends on the network structure and used devices.

The base station forwards the device messages immediately when they change. The base station acknowledges every received message and alarms if messages are not received from every transmitter within an hour.

Wiring:



Technical data

Supply	24 Vac/dc (22…28 V), < 2 VA
Frequency	868.30 MHz, Class 1
Range	500 m in line of sight 20…100 m in buildings
Transmission power	+8 dBm
Reception sensitivity	-109 dBm
Modulation	FSK
Outputs	8 x 0…10 Vdc
Communication	Modbus RTU (RS485): 9.6/19.2/38.4 kb/s, 8 data bits, parity none, 1 stop bit. Up to 128 devices per segment.
Operating conditions:	
temperature	-25…+65 °C
humidity	0...100 % RH (non cond.)
Housing	IP20, ABS plastic
Dimensions (w x h x d)	53 x 90 x 58 mm
Mounting	for 35 mm DIN rail

Ordering guide:

Model	Product number	Description
FLTA	1191030	base station
FLAN	1191040	antenna
FLANJJ-4,5	1191041	antenna extension cable (4.5 m)
FLSER	1191070	wireless commissioning tool

Produal Oy Keltakalliontie 18, 48770 Kotka FINLAND Tel: +358 10 219 9100 / Fax: +358 5 230 9210 info@produal.fi **www.produal.com**