

RYFL-XS - WIRELESS I/O MODULE

RYFL-XS is a wireless I/O module which can be used to transfer measurements and control information. Communicating between the control system and I/O module is done through FLTA base station Modbus connection. The module can forward two input signals and control a relay (230 Vac / 10 A).

Inputs can be set to function as 0...10 V inputs or potential free inputs.

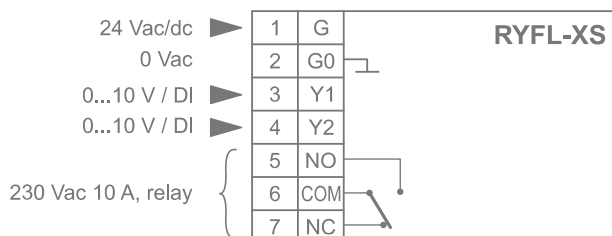
There is a two-way communication between the I/O modules and the base station. RYFL-XS transmits the changed information to the base station at 6 s interval.

NOTE: RYFL-XS must be placed sufficiently close to FLTA base station, because RYFL-XS doesn't support repeaters.

If the connection to base station is lost over an hour, the relay output is controlled to off mode. The output is restored, when the connection is established again.

The module is aware of the network functions and informs the possible network problems and service needs with indicator lights. The same error information is delivered to FLTA base station which can forward the information to the building management system.

Wiring



IMPORTANT: When the relay output is used with 230 Vac voltage, the output must be equipped with a fast fuse (max 10 A) that is in accordance with the standard IEC 60127-2.



Technical data

Supply	24 Vac/dc, 1 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
Inputs	2 x 0...10 Vdc or potential free contact
Outputs	230 Vac relay, 10 A res.
Input inaccuracy	<0.5 V
Operating conditions	temperature -40...+50 °C humidity 0...100 % RH (non cond.)
Housing	PC plastic, IP54
Dimensions (w x h x d)	105 x 194 x 46 mm

Ordering guide:

Model	Product number	Description
RYFL-XS	1191200	wireless I/O module

Products fulfill the requirements of directives 2004/108/EC, 2006/95/EC, 1999/5/EC and 2000/299/EC and are in accordance with the standards EN61000-6-3 (Emission), EN61000-6-2 (Immunity), EN60950, EN60730, EN300220-2 and EN301489-3.