

# A602

## Contacts transmitter over optical fibre

### Product specifications



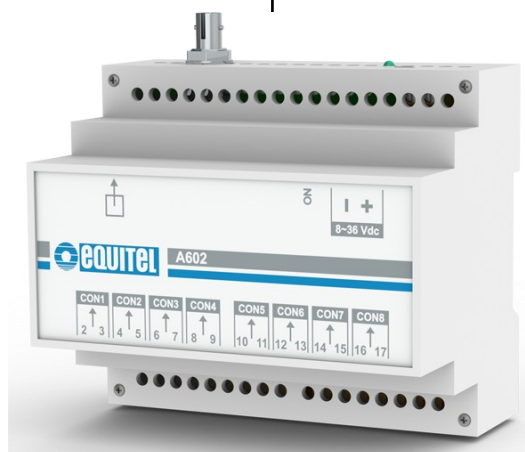
*Eight dry contacts transmitter over  
one optical fibre.*

*Available for multimode fibre, 850 nm,  
(A602CM model) and for singlemode fibre,  
1310 nm, (A602A model).*

*The transmitter A602 must be combined  
with the receiver A612.*

*This link transmits over optical fibre the  
A602 input contacts status to the A612  
outputs in a transparent way.*

*It is available in two different formats:  
Eurocard module 5 TE for insertion in a  
19" / 3U housing or a box for DIN rail  
mounting, with 8 to 36 Vdc power supply.*



*Up to 8 open / closed contacts  
transmission*

*Versions for multimode and  
singlemode fibres*

*Suitable for access control, security  
installations, lights control,...*

*Eurocard module for 19" housing or  
box for DIN rail mounting*

*8 to 36 V dc power supply in the DIN  
rail mounting version*



**Contacts over optical fibre**

## Specifications:

Optical interface	A version	CM version
Optical emitter	Laser	LED
Wavelength	1,310 nm	850 nm
Type of fibre	Singlemode	Multimode
	9/125 µm	50 or 62.5/125 µm
Emitted optical power <sup>(1)</sup>	≥ -12 dBm	≥ -19 dBm @ 50 ≥ -16 dBm @ 62.5
Optical connector	FC/PC	ST

Electrical interface	
Number of inputs	8 contacts
Type of input	Open /closed contacts
Open voltage	+5 Vdc
Interface connector	Screw-in terminal
Format	Dimensions
Module for 19" 3U housing	5TE, 160 mm deep
Box for DIN rail mounting	90 x 105 x 70 mm

Power		
Power supply	8 to 36 Vdc (box for DIN rail) Internal, (P405 or P407 housings)	
Consumption	< 2 W	
Operating environmental conditions		
Temperature	-40 °C ~ 74 °C	
Humidity	0% ~ 95% (non condensing)	
Indicators	Denomination	Colour
Unit in operation	ON	Green

## Ordering information:

Code	Version
A602A	Contacts transmitter, version for singlemode fibre, wavelength 1,310 nm (Module for P405 or P407)
A602CM	Contacts transmitter, version for multimode fibre, wavelength 850 nm (Module for P405 or P407)
A602A-DIN	Contacts transmitter, version for singlemode fibre, format for DIN rail, wavelength 1,310 nm
A602CM-DIN	Contacts transmitter, version for multimode fibre, format for DIN rail wavelength 850 nm

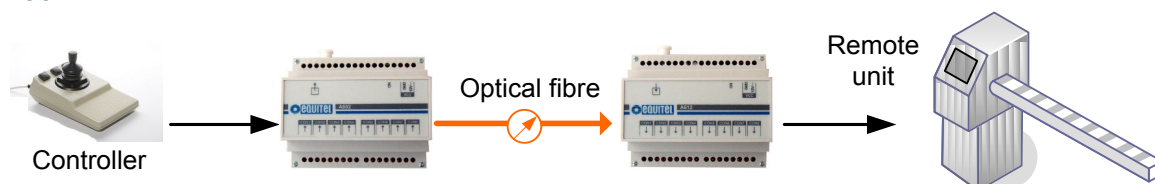
## Associated equipment:

Model	Description
A612A-DIN	Contacts receiver over singlemode optical fibre, DIN rail box
A612CM-DIN	Contacts receiver over multimode optical fibre, DIN rail box
P405	19" 3U housing for up to 12 modules A602
P407	Mini-housing for up to 2 modules A602
FA220/12	12 Vdc / 1,5 A power supply (compatible with the box for DIN rail format)

## Optical margin and maximum link distances:

Link	Optical budget	Distance <sup>(2)</sup>	Link conditions
A602A - A612A	19 dB	38 km	Singlemode fibre (9/125 µm), wavelength = 1,310 nm
A602CM - A612CM	15 dB	5 km	Multimode fibre (62.5/125 µm), wavelength = 850 nm

## Sample application:



### Notes:

- (1) Peak output power
- (2) Maximum link distances are calculated for typical values of the fibre already installed. For special requirements exceeding these values, please consult the manufacturer

Specifications can be modified without notice as a consequence of the constant improvement of the systems