

## JANUS J LRH M12 ILP 80m

### ADDENDUM TO JANUS TECHNICAL MANUAL (cod. 8540573)

These versions of the JANUS light curtain have a laser light tracking system in order to speed up and improve the alignment emitter/receiver.

This model is designed for use with columns FMC-SB adjustable mirrors.

To activate the laser pointer, gently press the "LASER ON" touch button; the beam will remain active for a time equal to 5 minutes. Press the button again if you need new activations.

For alignment procedures, refer to the technical sheet of mirror columns.

J LRH M12 ILP			
Model	<i>J 2B LRH M12 ILP</i>	<i>J 3B LRH M12 ILP</i>	<i>J 4B LRH M12 ILP</i>
Safety level	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4		
PFHd (IEC 61508)	7,53E-09	7,70E-09	7,87E-09
DCavg (ISO 13849-1)	97,94%	97,99%	98,03%
MTTFd (ISO 13849-1) anni	100		
CCF (ISO 13849-1)	80%		
Protected height mm	500	800	900
Number of beams	2	3	4
Response time ms	7	7	7
Total barrier's height mm	736	1036	1136
Operating range (Low/High) m	18÷40 / 25÷80		
Safety outputs	2 PNP auto-controlled - 500 mA @ 24Vdc with short-circuit, overload, reversal of polarity protection		
Signals	7 segments display and led for diagnostic and barrier status		
Power supply Vdc	24 ± 20%		
Connections	Connettors: M12 - 5poles (emitter) - M12 - 8poles (receiver)		
Max. lenght of connections m	100		
Laser on/off	Touch button located on the barrier upper side (TX)		
Laser on time	12 min		
Laser wavelenght nm	635		
Beam divergence mrd	< 0.5		
Max. Power mW	<1 (class 2 according to EN 60825-2)		
Operating Temperature °C	-10 ÷ 55		
Protection degree	IP 65		
Fixing	Back or side slot		
Cross section mm	50 x 60		








**Laser ON/OFF touch button**

**Alignment laser beam**

**Barrier infrared beam (invisible)**

User cautions:

-  ***Never aim the laser source directly at the eyes of others or to your own. Never look directly into the source.***
-  ***Keep the laser on only for the time which is strictly necessary to its professional use. Check that the device is off before putting it away.***
-  ***For more details check the European Standard EN 60825-1.***
-  ***Guard the device and don't let any unauthorized person access it. The following warnings are fundamental for people's safety. Follow all the warnings carefully, to avoid risks of eye injuries.***
-  ***The use of commands, adjustments, as well as the carrying out of procedures differing from the ones herewith exposed may be cause of exposure to dangerous levels of radiation.***

- The device contains a laser source Class 2, according to EN 60825-1.
- The device has been conceived as an aid for the alignment of optical light curtains. Do not use as a pointer on screens, posters, presentations, etc. For any other use, consult ReeR beforehand.
- The device is a working tool of exclusive professional use. See that the staff in charge has read and understood these instructions and warnings thoroughly and is well aware of the possible risks arising from a non – correct use. Never use outside the working environment and don't let untrained personnel access it, children in particular.
- Always keep this notice together with the device.