

Ex-Or
Novar ED&S
Limited
Haydock Lane
Haydock
Merseyside
WA11 9UJ

LIGHTSPOT

Equipment Commissioning

Commissioning / Operation:

Please contact Ex-Or Contracts Department to arrange for commissioning of the Lightspot lighting control equipment. Prior to the commissioning visit the end user or contractor will be asked to provide Ex-Or with the required programming parameters

Work carried out at Equipment Commissioning:

Commissioning of the Ex-Or Equipment would normally be carried out by an engineer employed and trained by Ex-Or Novar ED&S Ltd. Various items need to be set-up correctly to ensure that the equipment performs as expected and therefore commissioning should only be attempted by suitably qualified personnel.

The commissioning work includes:

- Check all detectors are installed to the instructions and have power to them.
- Check all detectors are sited in the optimum position for the area to be covered.
- Check detectors switch the correct luminaires (it is the contractors responsibility to check that the correct luminaires are plugged into the correct ports if any type of Connection Centre is used)
- Check all dimming parameters of relevant detectors, ie wiring of control cable, compatibility with installed ballast and the operation, raise/lower and on/off
- Diagnosis of any faults on the Lightspot Equipment. Wiring and installation faults must be rectified by the installer before any further work can be carried out. Ex-Or engineer will advise the Installer on how to find a fault on the system
- A full functional test of the Equipment when all parameters issued to the Ex-Or engineer have been entered into the equipment

- A completed Commissioning certificate will be provided detailing:
 - Site Address
 - Equipment
 - Warranty Dates

Note: Certificate does not include any responsibility for scheme design.

Fault Finding Information:

Correct equipment operation

Equipment not operating as expected

- Check all detectors have been connected to 230v.
- Check all low voltage cables connected if required. (By type of Detector).
- Check all detectors are wired correctly (ie live in and live out the right way round).
- Check wiring for short or open circuits.
- Check all dimming lines are installed and connected to the correct load.
- Check if set to automatic or semi automatic.
- Check that the time delay is set to what the specification states.

Luminaires do not respond to installed equipment

The luminaire fails to light in response to system command

- Check lamp is fitted correctly into the lamp holder and twisted into the lamp holder fully
- Check detector has power to it
- Check all connections in detector or device are connected in the right terminals
- Technical data sheets for each Ex-Or product can be down loaded from our web site. www.ex-or.com
- Check compatibility of ballast with detector

Further Information

If a fault cannot be found then the next course of action should be to contact:

- Technical Sales Support technicalsales.ex-or@honeywell.com
- Commissioning Department 01942 719229

The above departments can both offer technical assistance

EX-OR LIGHTSPOT SYSTEM

TERMS & CONDITIONS OF COMMISSIONING

Contractors Company Name

Contractors Address

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Tel No Fax No

Contact Name

Contact Email

Mobile No.....

Site Address

.....

Site Contact NameSite Tel No

PURCHASE ORDER NUMBER ISSUED TO EX-OR

	YES	NO
1 Has the Ex-Or system been connected to the mains supply		
2 Are all the detectors in the optimum position to cover the area		
3 Will our Engineer have free & Unlimited access to all areas where the Ex-Or system is installed		
4 Are All Mains and Dimming cables terminated into the luminaires		
5 Has the compatibility of fluorescent loads been checked i.e. If digital dimming are they digital ballasts		
6 Have all cables been tested to IEE regulations		
7 Are drawings Available		
8 Are all zones, required light levels, time delays and other parameters shown on drawings or included in the paperwork		
9 Have all fittings been checked for mains and emergency operation		
10 All relevant drawings and paperwork must be with the EX-Or commissioning department at least a week before site attendance is required		
11 Is access available to all areas		
12 Is access available to any High areas		

NOTE: Access equipment must be supplied free issue to our Engineer for heights above 2m and any scaffolding must be erected by the contractor

- 13 Is a site induction required
- 14 If the answer is yes to question 13 what time is it carried out
- 15 Electrician to be on site and in attendance at ALL times

YES	NO
____:____ hrs	

- 16 A minimum of 2 working days **written or faxed** notice is required from the customer to cancel appointments. If no notice is received and the engineer arrives on site the customer will be charged at a minimum of 1day (*rate applicable at the time*).
- 17 If the system offered for commission is not ready or available at the time our engineer arrives on site a waiting time of 1hr from arrival will be allowed before the Engineer leaves site and condition 16 will apply.
- 18 All criteria of the above conditions should be strictly adhered to when booking a commission; otherwise an aborted visit will result in condition 16 being applied.
- 19 If the equipment is not installed or ready for commissioning and a return visit is required, this could take up to 2 weeks to re-schedule subject to program of works.
- 20 This document: **MUST BE SIGNED & RETURNED OR FAXED AS ACCEPTANCE OF OUR TERMS & CONDITIONS, THE COMMISSIONING VISIT WILL NOT BE BOOKED AND PROGRAMMED UNTIL THIS FORM IS SIGNED AND RETURNED**

Company Name

Customer Signature

Date

Please return this form to: Ex-Or Contracts Department

Fax Number 01942 272 767

Email: contracts.ex-or@honeywell.com

PREFERRED DATE(S) FOR COMMISSIONING