D Series

Assurance Engineering LLC

Automatic Load

Control / Bypass Relays

The Assurance Emergency Lighting ALCR Devices can be used as Automatic Load Control or Bypass relay devices to turn on emergency lighting loads from generators or inverters in the event of normal power interruption. Several models are available for installation either inside or external to the luminaire. They are all compatible with 0-10 Vdc dimming systems and allow switched off or dimmed luminaire(s) to turn on to full power during the emergency operation.

CAD Drawings available









UL 924 Relays ALCR UL 1008 Relays BCELTS









	ALCR-D20	ALCR-D20L-PW Replaces ALCR-D20L-C	ALCR-D20L	ALCR-D10L	ALCR-D10L-PW Replace ALCR-D10L-C	ALCR-D5L-C-PST	ALCR-D5	ELCD-FD	BCELTS20
Relay Contact Rating	16A	20A	20A	10A	10A	5A	5A	20A	16A
0-10Vdc Dimming Over ride	full light out	full light out	full light out	full light out	full light out	PST (10-100% in EM)	full light out	full light out	full light out 0-10V and DALI
Listing/Approvals	UL924	UL924	UL924	UL924	UL924	UL924	UL924	UL924	ETL Listed to UL1008 & UL924
Remote Test input	Class 2 Dry Contacts **	Plenum rated harness & IP65 ITS on wall plate	IP65 ITS provided	IP65 ITS provided	Plenum rated harness & IP65 ITS on wall plate	12-24 Vac/Vdc input	Class 2 Dry Contacts **	12-24 Vac/Vdc input	Class 2 Dry Contacts **
Test Switch	Optional- RTS-ALCR- D520 or TB-D1020	Standard	Standard	Standard	Standard	Standard	Optional-RTS-ALCR-D520 or TB-D1020	Standard - Wall Plate Version Installation	On Face Plate and remote option
Remote Fire Alarm Testing	Dry Contacts (NO)	Use RTS-FAP-PW Test Switch	Use RTS-FAP Test Switch	Use RTS-FAP Test Switch	Use RTS-FAP-PW Test Switch	12-24 VAC/Vdc Only	Dry Contacts (NO)	12-24 VAC/Vdc Only	Dry Contacts
Mounting	1/2" Threaded Nipple Mounting	1/2" Threaded Nipple Mounting w/2' plenum harness and test switch on wall plate	Ballast Channel Mounting	Ballast Channel Mounting	1/2" Threaded Nipple Mounting w/2' plenum harness and test switch on wall plate	Ballast Channel Mounting or remote	Ballast Channel Mounting	Junction Box	Steel NEMA 1 Enclosure