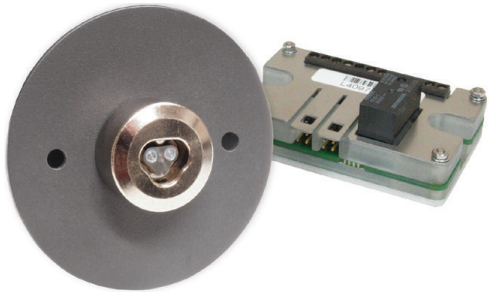
Electronic Switch with Relay

Part numbers: CL-ES2

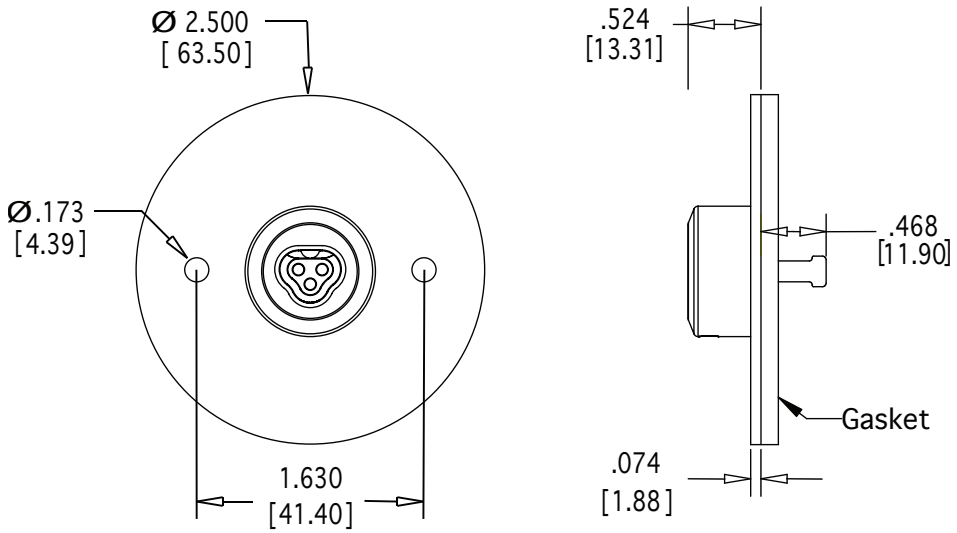
The Electronic Switch with Relay provides authorisation control and an audit trail for an electric circuit. A CyberKey receptacle is mounted on a round steel plate. The CyberLock electronics are in a separate module. A cable carries the signal from the contact point to the electronics module. This module can be mounted in an electrical box or in a more secure location up to 18 inches away from the contact point.



The CyberLock electronic switch can be set up to turn on or turn off a circuit when a key is authorised. The electronics module uses a relay that will manage the voltage spikes that occur in some systems. Applications include an electric door latch, a vehicle ignition, or other electric devices that need authorisation control and/or an audit trail.

Specifications

CyberKey Receptacle	Nickel-plated brass; steel nose retains key
Mounting Plate	Stainless steel
Electronics Module	Mounts in an electrical box or up to 18 inches away from contact point
Operating Temperature	-40° to 160° F; -40° to 70° C
Power Requirements	None; power is supplied by the key's battery
Electrical Specifications, Switched	12 to 30 VDC or 12 to 18 VAC, 5 amps max, single pull, double throw, resists spikes of 60 V
Hardware Security Features	No keyway to pick; resists electric charge applied to the face of the lock
Number of Keys per Lock	No limit to the number of keys that the CL-ES2 can support
Audit Capacities	The switch remembers the last 1100 events with date and time
Electronic Rekeying	Rekeying a system is done via the software; no need to install new locks and issue new keys



Notes:
Dimensions in inches (mm)
Drawing not to scale
Ø indicates diameter

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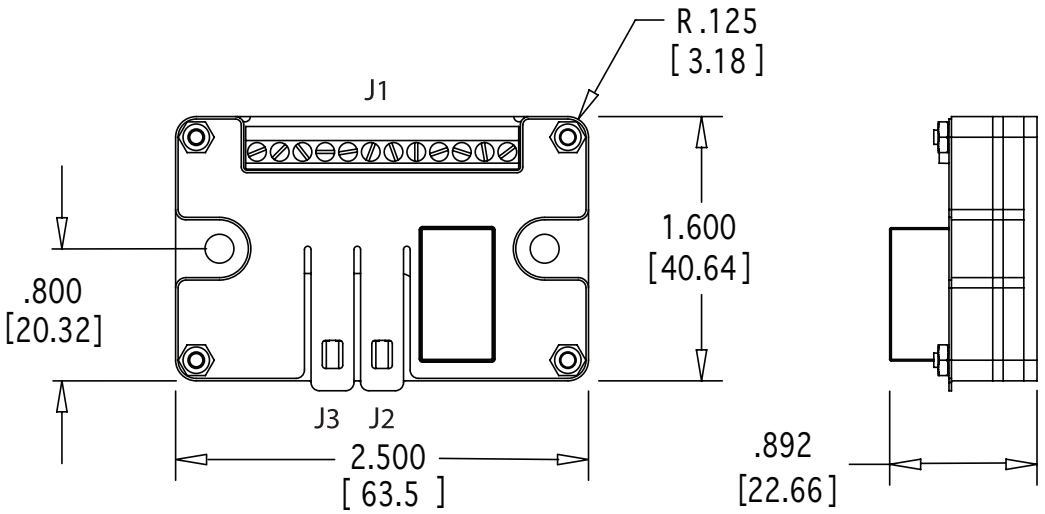

J1 Terminal functions	Position the electronics module so that the screw heads are facing up and the terminals are in a horizontal line on the upper side; the screw terminals are numbered from right to left
Terminal 1	Power Input 1; one power supply wire connects here; internally connected to Terminal 3
Terminal 2	Power Input 2; one power supply wire connects here; internally connected to Terminal 4
Terminal 3	Power Input 1; internally connected to Terminal 1
Terminal 4	Power Input 2; internally connected to Terminal 2
Terminal 5	Relay, normally open, no connection (access changes this line to closed, connects to Terminal 6)
Terminal 6	Relay, common (connected to controlled device)
Terminal 7	Relay, normally closed, connected to terminal 6 (access changes this line to open, breaks connection)
Terminal 8	Open drain field effect transistor
Terminal 9-11	Unused
Terminal 12	Ground
J2 Terminal function	Unused
J3 Terminal function	CyberKey port receptacle