

DIAMECANS NEW RELEASE



Amelec presents an innovative new product from renowned switch manufacturer Diamecans of France. The Electro-Switch is an electro-mechanical device used for the remote switching of heavy battery circuits.



In most battery installations some sort of switching is necessary in order to isolate the batteries from the load circuit when required. Ordinarily, these switches are a hand operated mechanical devices used to isolate one or more circuits or even parallel existing circuits, as in the case of a manual battery selector switch.

Over the years, manually operated devices have proven to be reliable and functional and have almost become an industry standard. The only problem that normally presents with these basic devices is that, because they have to be located near the batteries, they are quite often an inconvenience to operate.

Diamecans, a leader in battery switching technology, have taken this process to the next step by designing an electro-mechanical control device which enables circuits to be turned on and off remotely. In this way a simple, compact switch can be located in a convenient position to the operator; on the dash for example, and wired to the Electro-Switch with smaller, more manageable control wires. The battery switch can then be operated at the 'push of a button' safely, quickly and easily.

Principally, this operation is not dissimilar to using a solenoid operated control circuit. The disadvantage with this is that solenoids will always draw power in the 'on' position. The Electro-Switch draws no power in either 'on' or 'off' position, which is a much better solution. In addition it has a manual override as a safety back-up in the event that the power drops off to the switch. It is compact, robust, vibration resistant and designed for marine applications. Versions are available for both 12 and 24VDC applications.

Parameter	12VDC	24VDC
Code number	202312	202313
Continuous rating	300 Amps DC	
Intermittent rating	1800 Amps DC for 1 minute	
Coil power consumption	Max 12 Amps for 1 second	Max 7.5 Amps for 1 second
Minimum coil voltage	9VDC	16VDC
Weatherproof rating	IP65	
Operating temperature	-40° to +85°C	
Coil polarity protection	Integrated diode	
Failsafe mechanism	Manual override – push/push	
Control function	1 x N/O momentary switch	
Output function	1 x N/O and N/C changeover contact	
Coil termination	5 x 1mm ² cores (sheathed)	
Switch termination	2 x M10 tin plated studs	
Weight	Approximately 1kg	
Dimensions	132mm x 92mm x 50mm	