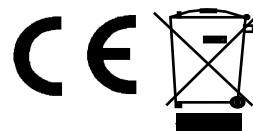


S.M. Services (UK) Ltd

18 Orchard Way, Cranfield, Beds. MK43 0HU. Tel 01234 751095

8 Channel Opto Isolator



Specifications

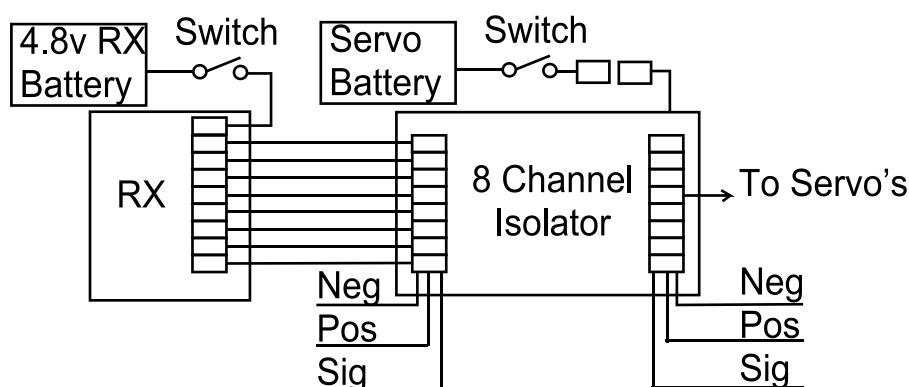
Size.	57mm x 38mm x 20mm
Construction.	Boxed
Connections.	Via universal plugs to RX, Pin block to servo's
Operating Voltage.	RX 4.8v only, Servo 4 or 5 cell batteries.
Operating Current.	20mA plus RX current

Description.

The Opto Isolator is designed to electrically disconnect all servo's and their associated wiring from the receiver thereby eliminating all radio frequency interference entering the receiver via the servo connections, it also removes from the receiver the need to carry the current required by the servo system.

This unit requires the use of separate batteries for the RX and servo supplies, RX supply must be 4.8v however the servo supply can be either 4.8v or 6.0v. The unit has eight short fly leads fitted with universal plugs for connection to the receiver and eight standard pin block connectors for connection to the servo's. Power for the servo's is supplied via a heavy duty fly lead.

Note. Fit all opto leads to the receiver if possible, any unused leads should be removed as they can act as an input point for radio frequency interference.



TWO BATTERIES MUST BE USED FOR THE OPTO TO FUNCTION CORRECTLY. A SINGLE BATTERY AND A 'Y' LEAD MUST NOT BE USED.

Standard receiver wiring connections.

Lead function	Futaba	JR/New Sanwa	Hitec	Sanwa (old)
Positive = +	Red	Red	Red	3
Negative = -	Black	Brown	Brown	2
Signal	White	Orange	Yellow	1

Please refer to your equipment instructions for wiring codes if they are not listed.

WARNING

1. Do **NOT** reverse positive and negative wires. (Red and Black)
2. **ALWAYS** remove power from the unit before connecting or disconnecting any input or output connection, Failure to observe this instruction can damage both the unit or the equipment it is connected to.
3. **ALWAYS** range check when adding to or changing the control system of a model.
4. S.M. Services (UK) Ltd products are tested for use on the UK 35 Mhz aircraft frequency, use on other frequencies should not be a problem, however use on frequencies other than 35 Mhz is at the users risk.

If you have any questions or problems with this product please contact us, we are here to help you.

Your Guarantee

S.M. Services (UK) Ltd guarantee all products for 1 year from date of purchase. During this time S.M. Services (UK) Ltd will repair or replace all defective products free of charge, except for Units subject to fair wear and tear, or units that are subject to crash damage. To qualify for benefits under the guarantee you must have installed and used the product in accordance with S.M. Services (UK) Ltd instructions. Consequential losses and accidental damage to the product are not covered by the guarantee. S.M. Services (UK) Ltd cannot be held responsible for results of using our products for any purpose other than those described in the relevant instructions.

Returns

Any returned products ordered in error or are not required will if returned unopened in original product packaging within 28 days from date of purchase be subject to a full refund less shipping charges and a 5% handling charge. All other returns will be subject to a full refund less shipping charges and a 20% handling charge.