

Rapid Shutdown Datasheet

HRSD-2C

Description

As part of Hoymiles rapid shutdown solution for PV system, HRSD-2C can be connected with two modules. It meets NEC 2017, NEC 2020, UL 1741 and SunSpec Rapid Shutdown requirements, guaranteeing PV system safety.

When installed with and receiving a "permission to operate" signal from Hoymiles Transmitter, HRSD starts proper operation of PV system. In case of emergency, PV system would enter module-level rapid shutdown mode by simply disconnecting the AC power of Transmitter or using an external initiator.

Features

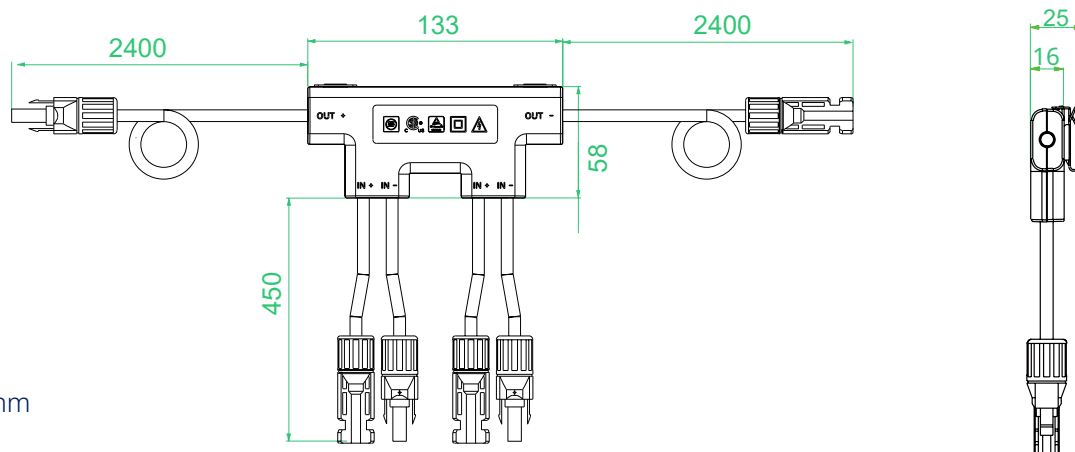
- 01 **Module-level rapid shutdown**
Meets NEC2017&NEC2020 690.12 requirements and SunSpec RSD requirements
- 02 **Cost-effective**
Two inputs
- 03 **PLC communication**
Realize rapid shutdown with Transmitter

- 04 **Easy Installation**
Plug & play, no configuration required
- 05 **High Efficiency**
Lower power consumption and wider operating voltage range
- 06 **Low Noise**
Much lower than arc noise. No risk of triggering AFCI

Technical Specifications

Model	HRSD-2C
Electrical	
Input Voltage Range	8-80V
Output Voltage Range	16-160V (8-80V per input)
Maximum Current	15A (<u>20A</u> or 25A optional)
Maximum System Voltage	1000V (<u>1500V</u> optional)
Communication Type	SunSpec PLC
Shutdown Output Voltage	1V
Power Consumption	200mW
Mechanical	
Input Connectors	MC4 (standard)
Input Cable Length	0.45m
Output Connectors	MC4 (standard)
Output Cable Length	2.4m ¹
Dimensions	133 x 58 x 16mm
Environmental	
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Outdoor Rating	IP68/NEMA6P
Compliance	
Safety	UL1741, CSA C22.2 No. 330-17, IEC/EN 62109-1
EMC	FCC Part15 Class B, ICES-003, IEC/EN 61000-6-1/-2/-3/-4

*1 Fits PV module in landscape and portrait installation.



Unit : mm