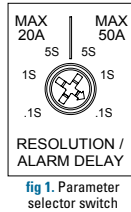


## DRML1 LOAD MONITORING MODULE

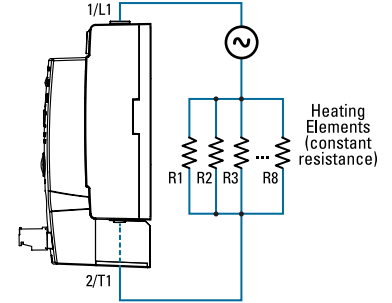
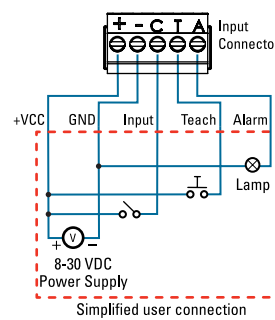
Disconnect all power before installing or removing this equipment. Verify all connections and replace all covers before turning on power. Failure to follow these instructions may result in death or serious injury.

### INSTALLATION INSTRUCTIONS

- Remove the ID marker and input connector from the NOVA22 relay.
- Wire input and output as shown in the Wiring Diagram. Before wiring terminal 2/T1 pass the wire through the module hole. For recommended wire sizes and terminal torques see TABLE 2.
- Mount the module onto the relay as shown in steps 1 and 2.
- Proceed to configure the module:
  - Select the maximum load current (20 Amps or 50 Amps) and the alarm delay (0.1, 1 or 5 secs) using the parameter selector switch. NOTE: Parameter selector switch is updated at startup or if no input signal is present.
  - Turn on all power supplies.
  - Press TEACH-IN button (or apply external TEACH-IN input) for 3 seconds to store the nominal load current value. LED will blink Blue 3 times when TEACH process is complete.
  - Module will start monitoring the system once TEACH-IN button has been released. Refer to TABLE 1 and Status Charts for detailed operation and status.
- For module removal follow steps 3 and 4.



### WIRING DIAGRAM

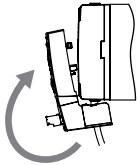


Load Monitoring Module mounted on a NOVA22 SSR DR2260DxxV/W or PM2260DxxV

#### Module Mounting

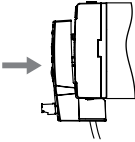
##### STEP 1:

Align the module to the bottom of SSR



##### STEP 2:

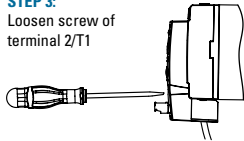
Push to put into place as shown



#### Module Removal

##### STEP 3:

Loosen screw of terminal 2/T1



##### STEP 4:

Hold module and pull to remove

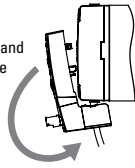


TABLE 1. Recommended Torque and Wire Sizes

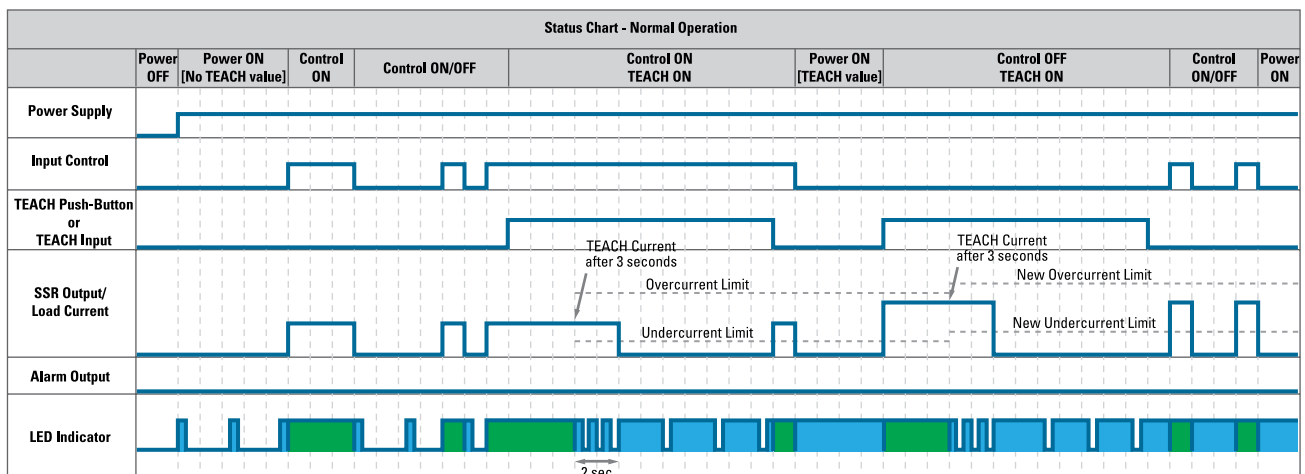
Terminal	Max. Screw Torque [lb-in (Nm)]	Wire Size (Solid / Stranded)	Wire Pull-Out Strength (lb)(N)
Output	18-20 (2.0-2.2)	20 AWG (0.75 mm <sup>2</sup> ) [minimum]	25 [111]
		10 AWG (6 mm <sup>2</sup> )	70 [310]
		8 AWG (10 mm <sup>2</sup> ) [maximum]	70 [310]
Input	1.6 (0.19)	28 AWG (0.09 mm <sup>2</sup> ) [minimum]	2.2 [9.8]
		14 AWG (2.5 mm <sup>2</sup> ) [maximum]	22 [98]

TABLE 2. LED Status

Status	LED Indicator	SSR Output	Alarm Output
No Power	Off	OFF	OFF
Power ON [brand new, no TEACH value]	Blinking Blue constantly	OFF	OFF
Power ON [TEACH value stored]	Blinking Blue 3 times	OFF	OFF
Power ON [TEACH value operative]	Blue	OFF	OFF
Input Control ON	Green	ON	OFF
ALARM - No Mains Voltage / Open Load	Red	OFF	ON
ALARM - Undercurrent	Blinking Red 1 time	ON	ON
ALARM - Overcurrent	Blinking Red 2 times	ON	ON
ALARM - SSR Short Circuit	Blinking Red constantly	ON	ON

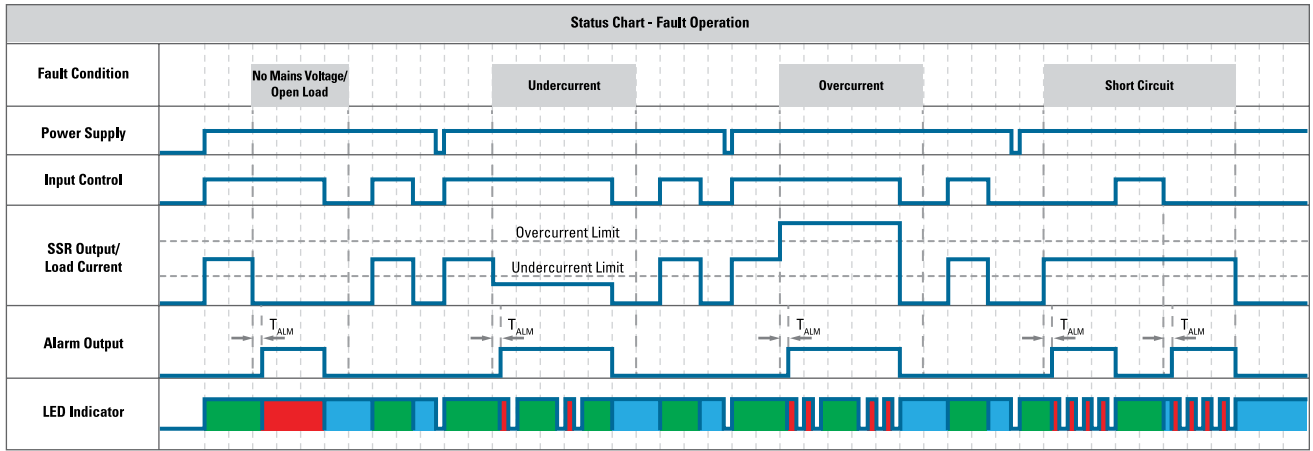
#### LED Color

- Blue
- Green
- Red



## LED Color

- Blue
- Green
- Red



$T_{ALM}$  = Alarm Delay Time

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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

## CONTACT US

### Americas

+1 (877) 502 5500  
sales.crydom@sensata.com

### Europe, Middle East & Africa

+44 (1202) 416170  
ssr-info.eu@sensata.com

### Asia Pacific

sales.isasia@list.sensata.com  
China +86 (21) 2306 1500  
Japan +81 (45) 277 7117  
Korea +82 (31) 601 2004  
India +91 (80) 67920890  
Rest of Asia +886 (2) 27602006  
ext 2808