

## ReadyRelay™

Add advanced load control and signaling functionality to any compatible system



- Easily add features and functionality
- Dry contacts control
- Alarm conditions signaling
- Smart Load control
- No need for external wiring
- Reduced field down-time

Morningstar's ReadyRelay is part of the ReadyBlock suite of add-on-- yet built-in-- functionality available in Morningstar "host" components featuring the ReadyRail expansion system. "Add-on" in the sense that ReadyBlocks can be integrated into a system at any time, either on inception or later as needs arise. "Built-in" because once added, ReadyBlocks become part of the host component, seamlessly integrated into both its hardware and software.

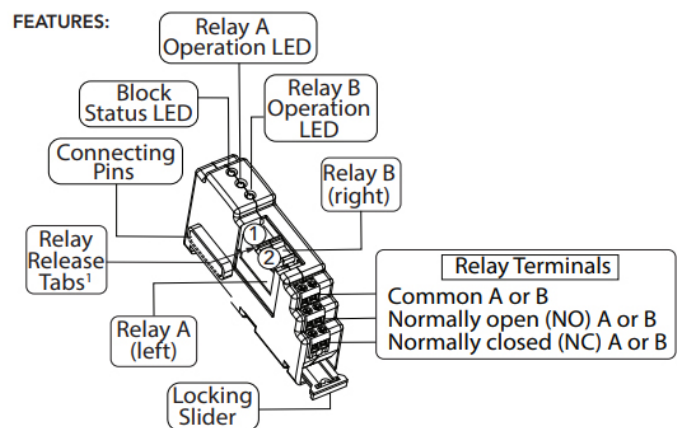
No additional configuration or connections are required. ReadyBlocks automatically activate and are recognized, and are ready to go, immediately after being snapped into a ReadyRail.

## Key Features and Benefits

- Achieve tighter control over the energy balancing in a system, through smart logic and prioritizing loads for load-shedding
- Initiate dry-contact signaling and monitor alarm conditions based on precise parameters. ReadyRelays may be toggled by user-defined logic, using real-time information including clock and calendar
- Reduced field down-time and simplified servicing and maintenance. ReadyRelays are individually replaceable without removing a block from service—quickly and easily, in conditions where space is very tight (such as in enclosures)
- Eliminates the need to specify and source individual relays, especially in lower power applications, with two high-quality relays provided per ReadyBlock. Along with that, the need for external wiring and costly relay terminal blocks is also eliminated



ReadyRelay installed in a GenStar MPPT charger



### ReadyRelay Features and Specification Table

<b>Version</b>	RB-RELAY
<b>LED Indications</b>	Block Status Relay A Operation Relay B Operation
<b>Each of the two (2) relays has the following electrical specifications:</b>	
<b>Rated Switching Voltage*</b>	250 Vac / 220 Vdc
<b>Self Consumption</b>	< 0.3 W
<b>Rated Current</b>	6.0 A (250 Vac) 6.0 A (30 Vdc) 0.5 A (60 Vdc) 0.2 A (110 Vdc) 0.12 A (220 Vdc)
<b>Relay Type</b>	SPDT
<b>Relay Contacts</b>	NO/NC/Common
<b>Weight</b>	3.3 Ounces (93.5 grams)
<b>Dimensions</b>	3.96 x 0.874 x 2.42 in (100.5 x 22.2 x 61.5 mm)

\*DC rating is for resistive loads. Add a clamping diode for inductive loads

#### Relay breaking current vs. applied voltage (from relay component's specifications)

