MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

HONEYWELL

900PSM-0001

REDUNDANT POWER STATUS MODULE

Used with the applicable Honeywell HC900 Power Status Modules configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Honeywell ControlEdge HC900 I/O Modules Specification 51-52-03-41, January 2023; PSM family, page 37.

Redundant Switch Module (RSM) (900RSM-xxxx)

The Redundant Switch Module resides in a ControlEdge HC900 Redundant controller rack and interfaces with both CPUs of a redundant system and indicates which CPU is functioning as the Lead controller and which is the Reserve. A key switch on the module sets the mode of both the Lead and Reserve controllers, guaranteeing synchronization of CPUs. A momentary contact position of the key switch allows the user to switch the Lead control function from CPU-A to CPU-B or vice versa.

The RSM module supports insertion and removal under power.



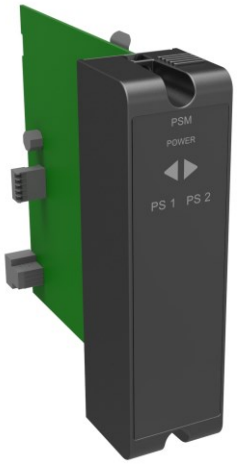
Type	Redundant CPU Status and Mode control Module
Lead/Reserve indication	Green arrow LEDs
Mode Switch	Removable key (2 keys supplied) , three stationary positions, one momentary
Power Supply Loading	5V; 22mA max

Power Status Module (PSM) (900PSM-xxxx)

The Power Status Module resides in a local or remote I/O rack containing redundant power supplies. The PSM and second power supply are contained in a rack extension assembly adjacent to the power supply slot position. The PSM module is positioned in a dedicated slot between the two power supplies.

Redundant power and the PSM may be used with a Controller rack with local I/O, a Scanner 1 rack with remote I/O controller racks of non-redundant systems and a Scanner 2 rack with remote I/O racks of redundant systems.

Directional indicators on the module indicate when both voltage sources of the power supply are operating properly.



Type	Redundant Power Supply Status indicating Module
Status indication	Green directional indicators using LEDs
Power Supply Loading	5V; 22mA max