

NOVAR ES3.S EXECUTIVE CONTROLLER

Ensure a comfortable shopping experience while modernizing your fleet of stores with the latest capabilities for optimizing retail energy use and operational efficiency.

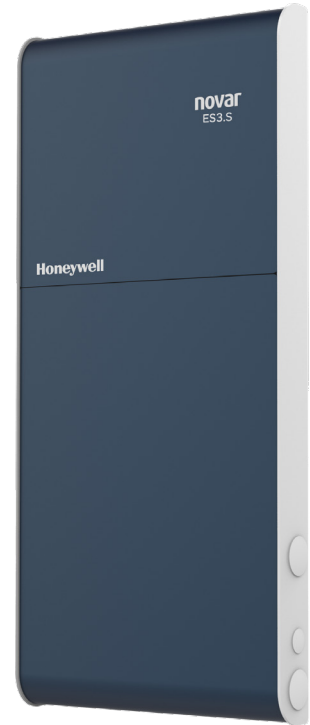
The Novar™ ES3.S Executive Controller from Honeywell Multisite is an embedded controller/server platform that simplifies migration to the latest version of the Opus™ Magnum platform by serving as a fully compatible replacement for legacy Novar XCM.10S and Novar Savvy controllers.

With a simple drop-in replacement, the ES3.S lets you extend the service life of your existing wiring and equipment – keeping installation costs down while also enabling your facilities to leverage the most advanced multisite capabilities for building automation and energy management.

APPLICATION

The Novar ES3.S is a form-fit hardware platform that slides onto the baseplates for XCM.10S and Savvy controllers, making it a cost-effective upgrade that's quick and easy to install.

It is compatible with virtually all field-level controllers and existing communications wiring, enabling you to integrate systems and devices across a wide range of protocols, including NovarNet™, BACnet®, Modbus®, and Internet standards.



NOVAR ES3.S EXECUTIVE CONTROLLER



Cost-effective way to upgrade to the latest technologies available via the Opus Magnum platform



Easy replacement: slide-off / slide-on



No rewiring, retagging, or reconfiguring: 100% compatible with legacy installation



Compatible with existing XCM-LCD displays, cables, and field devices

MULTISITE NOVAR ES3.S EXECUTIVE CONTROLLER

CLASSIFICATION	PART NUMBER	PRODUCT DESCRIPTION
Hardware	ES3.S	ES3.S Executive Controller - Incl. plan controller, electronics and bottom metal cover, drop in design compatible with XCM.10S and Savvy base-plate
Core License	NCP-0005	NCP Core 5 Dev & 250 Pts
Core License	NCP-0025	NCP Core 25 Dev & 1,250 Pts
Core License	NCP-0100	NCP Core 100 Dev & 5,000 Pts
Core License	NCP-0200	NCP Core 200 Dev & 10,000 Pts
SMA Initial	SMA-0005-1YR-INIT	PIN-0005 - Initial 18 mo Maintenance
SMA	SMA-0005-1YR	PIN-0005 - 1 Year Maintenance
SMA	SMA-0005-3YR	PIN-0005 - 3 Year Maintenance
SMA	SMA-0005-5YR	PIN-0005 - 5 Year Maintenance
SMA Initial	SMA-0025-1YR-INIT	PIN-0025 - Initial 18 mo Maintenance
SMA	SMA-0025-1YR	PIN-0025 - 1 Year Maintenance
SMA	SMA-0025-3YR	PIN-0025 - 3 Year Maintenance
SMA	SMA-0025-5YR	PIN-0025 - 5 Year Maintenance
SMA Initial	SMA-0100-1YR-INIT	PIN-0100 - Initial 18 mo Maintenance
SMA	SMA-0100-1YR	PIN-0100 - 1 Year Maintenance
SMA	SMA-0100-3YR	PIN-0100 - 3 Year Maintenance
SMA	SMA-0100-5YR	PIN-0100 - 5 Year Maintenance
SMA Initial	SMA-0200-1YR-INIT	PIN-0200 - Initial 18 mo Maintenance
SMA	SMA-0200-1YR	PIN-0200 - 1 Year Maintenance
SMA	SMA-0200-3YR	PIN-0200 - 3 Year Maintenance
SMA	SMA-0200-5YR	PIN-0200 - 5 Year Maintenance
Device	PIN-DEV-10	Add 10 Dev & 500 Pt Initial
Device	PIN-DEV-25	Add 25 Dev & 1250 Pt Initial

Specifications	
HARDWARE	NXP iMX6SX 800 MHz ARM® Cortex™ A9 1GB DDR3 SDRAM Real-time clock Secure boot Batteryless
COMMUNICATIONS	2 Ethernet ports, 10/ 100Mbps 5 RS-485 ports (3 isolated) Micro-USB (for diagnostics)
OPERATING SYSTEM	QNX RTOS IBM J9 JVM Java Virtual Machine Opus Magnum

Specifications	
POWER REQUIREMENTS	Voltage: 24 VAC, Class 2 (22 to 30 VAC), 50/60 Hz Consumption: 40 VA
PHYSICAL DIMENSIONS	<p>Baseplate Height: 19 inches Width: 13.25 inches Depth: 2.0 inches Weight: 1 lb</p> <p>Electronics Height: 8.5 inches Width: 12.5 inches Depth: 2.5 inches Weight: 6.3 lb (electronic assembly & cover plate)</p>
INPUT / OUTPUT RATINGS	<p>Analog Inputs: 4 to 20 mA current loop (Accuracy +/- 2% of span) Loop Source: 24VDC at 500mA max</p> <p>Digital Inputs: Contact closure only</p> <p>Relay Outputs: 24 VAC or VDC, 2 amp (pilot duty) Class 2</p> <p>Output (Fault): 24 VAC or VDC, 2 amp (pilot duty) Class 2</p>
OPERATING ENVIRONMENT	<p>Temperature: 32°F to 122°F (0°C to 50°C) Humidity: 0 to 95% Relative, non-condensing</p>
LED INDICATORS	<p>Power Communication Module Health</p>
APPROVALS	<p>Listed Device: CUL/UL E90949 Standards Used: UL 916, Energy Management Equipment</p> <p>CSA C22.2, No. 205-M1983, Signal Equipment</p>

Honeywell Multisite

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**THE
FUTURE
IS
WHAT
WE
MAKE IT**

