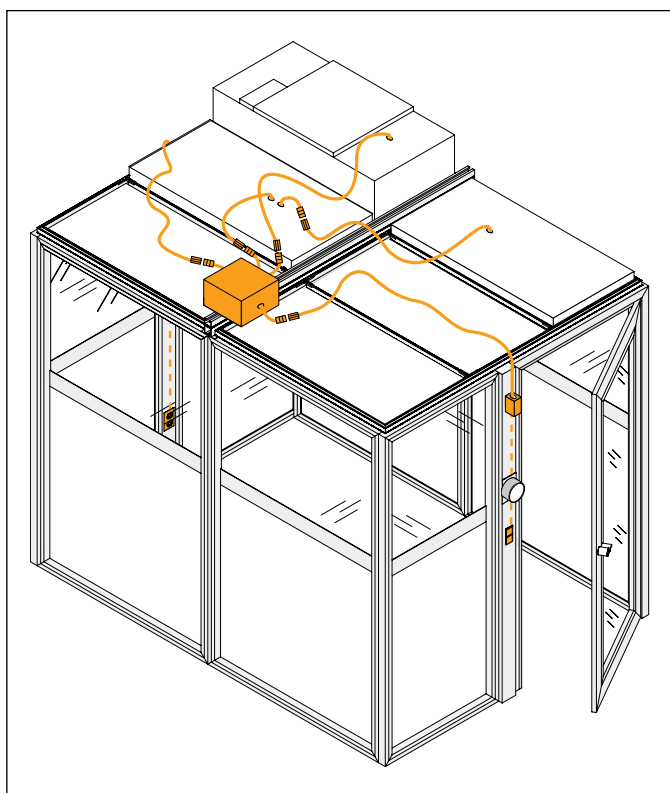# ELECTRICAL PACKAGE

PRE-ENGINEERED "TWIST-LOCK" MODULAR WIRING SYSTEM

Simplex's "Twist-Lock" modular electrical package outfits any new SIS-797, SIS-212 or AirLock enclosure with everything needed for quick utilization after install. Unlike traditional hard wiring methods which require extensive involvement from electricians, Simplex's "Twist-Lock" pre-engineered package can be quickly and easily locked together by the enclosure installers—requiring an electrician only for the final service connection.

Pre-engineered "Twist-Lock" electrical wiring is available for components such as lights, HEPA filters and electrical outlets. All switches, outlet boxes and wiring fit neatly into Simplex's standard framing system for a clean, professional look. All wiring is brought to a convenient distribution box atop the enclosure where an electrician can finish the installation by connecting the single point connection to a power source.

"Twist-Lock" connectors inherently offer more reliable connections than other modular connectors, and the simple connection technology helps to eliminate installation errors. Simply connect the two ends together **1** *and twist* **2** *to lock the connection securely in place.*

» CUSTOM DESIGN

The package is designed to meet the specific requirements of the enclosure's application. Features such as equipment placement and counter heights are accommodated for.

» VERSATILITY

With pre-wired fixtures, the "Twist-Lock" modular electrical package can be reconfigured and reused in the future if a change to the enclosure design is required.

» LOWER OVERALL COST

Simplex's modular electrical package does not require extensive labor and involvement from electricians like traditional hard wiring does. An electrician is only needed to connect a power source to the distribution box.

» FASTER INSTALLATION

The "Twist-Lock" electrical package locks together quickly and can be installed while the enclosure is still being assembled.

» RELIABILITY

All components are factory tested and comply with UL 183 and the National Electrical Code (NEC) 604.

» SAFETY

All wiring is 20 AMP / 125V, hard service, thermoplastic and weather resistant.

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Simplex offers standard Decora® single or double switches. Switches are installed in Simplex's standard frames and can be configured to operate the lights and / or HEPA filters.

Flush mount, UL-listed 20 AMP / 120V electrical outlets are pre-wired in conduit that is concealed inside Simplex's standard wall panel framework.

Pre-engineered "Twist-Lock" electrical wiring is available for components such as fluorescent or LED lights, HEPA filters or post outlets.

STANDARD ELECTRICAL COMPONENTS

LIGHT FIXTURES

MODEL #	DESCRIPTION	SIZE
HA20114	Fluorescent Light with Recessed Troffer	2' x 2'
HA20115	Fluorescent Light with Recessed Troffer	2' x 4'
HA20115 / HA20120-LED	LED Light with Recessed Troffer	2' x 4'
HA20117	Teardrop Fluorescent Lamp	2" x 4'
HA20116	Flo-Thru Fluorescent Troffer	2' x 4'

*Additional sizes and light options available.

OUTLETS

MODEL #	DESCRIPTION
HP10047	20 AMP / 120V Duplex

*Additional outlet or voltage options available.

Equipment placement, counter heights and voltage requirements are taken into consideration and accommodated for when designing outlet placement.

Outlets can be installed on any standard Simplex frame and at any height of the frame to ensure practical functionality.

HEPA FILTERS

MODEL #	DESCRIPTION	SIZE
HA20107	Envirco MAC 10	2' x 2'
HA20105	Envirco MAC 10	2' x 4'

*Additional sizes and HEPA filter options available.

SWITCHES

MODEL #	DESCRIPTION
HP10073	Decora Single Rocker Switch, Grey, 15 AMP
HP10082	Decora Double Rocker Switch, Grey, 15 AMP

*Additional switch options available.

Switches can control up to 5 HEPA filters or up to 16 light fixtures. Contactors can be installed to accommodate multiple circuits per switch.

HEPA filter switch connection: *Because positive pressure should be maintained in most rooms, some HEPA filters must remain on at all times. Rather than allowing them to be inadvertently powered off by the flick of a switch, Simplex generally advises they be hardwired to a circuit breaker.*

CUSTOM ELECTRICAL COMPONENTS

3-WAY MODULAR SWITCHING

Ideal for larger cleanrooms, Simplex can configure the system to include switches for multiple points of entry.

PLENUM-RATED CABLING

Flame-retardant plenum-rated cabling available for cleanrooms with plenum spaces.

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