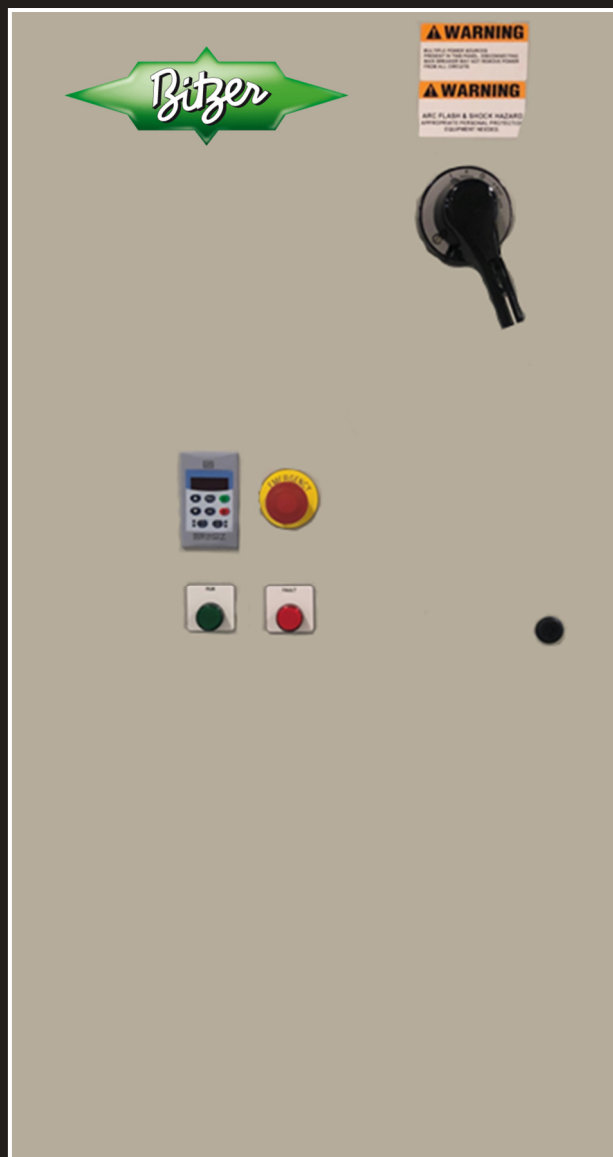






MOTOR / COMPRESSOR STARTER PANELS

SPNL



STARTER
PANELS

 INDUSTRIAL REFRIGERATION

 COMMERCIAL REFRIGERATION

 AIR CONDITIONING



A NEW GENERATION OF STARTER PANELS FOR THE REFRIGERATION AND A/C MARKET

The BITZER Starter Panel (SPNL) product offering is an industrial motor starter panel constructed with Soft Starters or Variable Frequency Drives (VFDs) and designed for convenience, flexibility, and reliability.

Tailored towards the air conditioning and refrigeration industry, BITZER SPNLs can be used in a wide range of applications such as cold storage, blast freezing, food processing, ice rinks, ice making and chillers.

A SPNL is the perfect compliment to BITZER compressors, motor compressor assemblies (SDs, RDs, and RBs), compressor packages (ACP/SCP), pumps, and fans.

The Bitzer Starter Panel is a complete, simple, and cost-effective solution to operate, monitor and protect any 3 phase motor (5 to 250 HP).

Soft Starter & VFDs

HIGHLIGHTS

- // Robust Soft Starter or VFD with parameters preloaded yet still customizable to meet any specific application
- // Wide range of standard sizes rated to match the majority of the BITZER compressor portfolio and motors up to 250HP
- // Oversized transformer delivers generous overhead of available control power
- // Easy access terminals to monitor 3 phase power of the motor / compressor
- // Service receptacle gives convenient access to power laptops and other test equipment
- // 24VDC power supply further extends the panel's capabilities to control devices
- // Onboard transducer provides accurate monitoring of the TRUE RMS amperage analog output of the motor
- // Door panel and starter wiring logic is designed for HVAC/R industry so that start sequence is via discrete signal and/or serial communication (i.e. start and stop buttons are not used)

FEATURES AND SPECIFICATIONS

- // Industry standard Soft Starter or VFD
- // 14-590 Amp panels (5-250HP)
- // NEMA 1 Enclosure
- // 3KVA Control Transformer (120V)
- // 120VAC / 3 Amp Service Receptacle
- // 24VDC Power Supply (10Amp)
- // Current Transducer (4-20mA DC Output)
(Selectable full scale amperage of 0-375, 0-500, 0-750)
- // Door mounted keypad
- // Run/Fault pilot lights
- // E-Stop
- // UL 508 Certified

Optional Accessories

- // RS-485 Communication Module
- // RS-232 Communication Module
- // Higher rated enclosures (NEMA 12, 3R, 4, 4X)

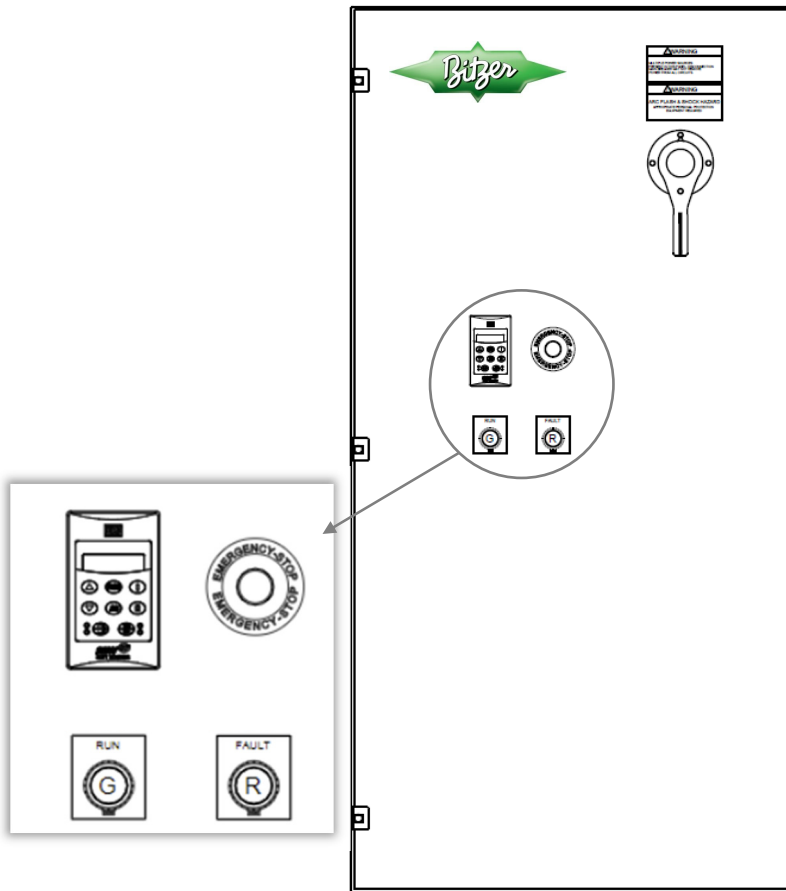
NOMENCLATURE

BITZER Starter Panel: SPNL4-S96

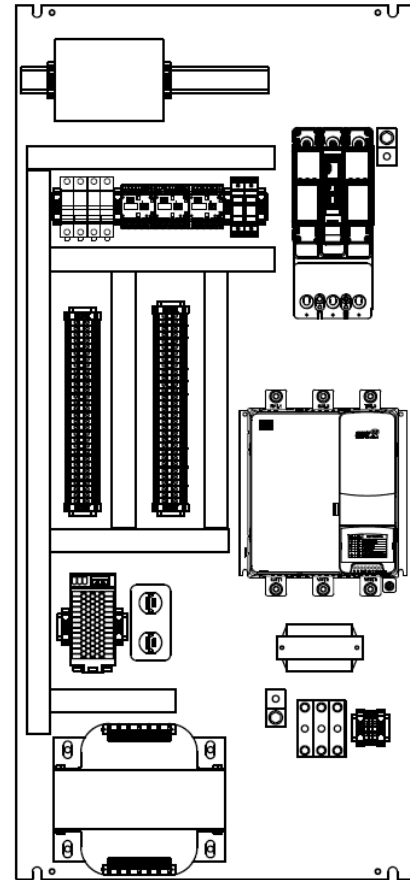
Series	Voltage	Starter Type	Amp Rating
SPNL	2 = 230v/60Hz 4 = 460v/60Hz	- S = Soft Starter - V = VFD	17 .. 312

DRAWINGS

Door Layout




Sample Back Panel Layout



SPECIFICATIONS AND DIMENSIONS TABLE (460V / SOFT STARTER*)

Model	Voltage	SS Current Rating (Amps)	Circuit Breaker Trip Setting (Amps)	Nominal NEMA HP	H x W x D (in)
SPNL4-S17	460 V	17	30	10	48 x 24 x 14
SPNL4-S21	460 V	21	40	15	48 x 24 x 14
SPNL4-S30	460 V	30	50	20	48 x 24 x 14
SPNL4-S45	460 V	45	60	25	48 x 24 x 14
SPNL4-S45	460 V	45	70	30	48 x 24 x 14
SPNL4-S61	460 V	61	80	40	48 x 24 x 14
SPNL4-S85	460 V	85	100	50	48 x 24 x 14
SPNL4-S85H	460 V	85	125	60	48 x 24 x 14
SPNL4-S130	460 V	130	150	75	48 x 24 x 14
SPNL4-S130H	460 V	130	200	100	48 x 24 x 14
SPNL4-S171	460 V	171	250	125	48 x 24 x 14
SPNL4-S200	460 V	200	250	150	48 x 24 x 14
SPNL4-S255	460 V	255	400	200	83 x 32 x 24
SPNL4-S312	460 V	312	400	250	83 x 32 x 24

* Consult factory for applications requiring other voltages and/or VFDs



4080 Enterprise Way
Flowery Branch, GA 30542
Phone: 770-503-9226
Fax: 770-503-9440
Email: sales@bitzerus.com

1.888.GO BITZER (1.888.462.4893)

21125 Daoust Street
Sainte-Anne-De-Bellevue, Quebec, Canada
H9X 0A3
Phone: 514-697-3363
Fax: 514-697-9768
www.bitzer.ca

Av. Adolfo López Mateos 221, Bodega 9, Col. Victoria
67110 Guadalupe, N.L., Mexico
Phone: +52 (81) 1522 4500
Fax: +52 (81) 1522 4505
www.bitzermexico.com

colombia@bitzerus.com
ecuador@bitzerus.com
puertorico@bitzerus.com
caribe@bitzerus.com
centroamerica@bitzerus.com
venezuela@bitzerus.com
www.bitzerus.com