

LYNX[®] COMPONENTS

LYNX[®] Operator Interface

Operation of a complete LYNX[®] Temperature Control System typically includes an Operator Interface capable of controlling up to 8 strings of heaters (1024 total zones). Operator Interfaces are available with different power plugs and can be used at any voltage between 100 to 277 VAC, 50/60 Hz.

Ordering Information

Part No.	Input Power Plug
LYNX-OI-10A	NEMA 5-15
LYNX-OI-10B	Ferrule Ends
LYNX-OI-10C	Schuko CEE 7/7
LYNX-OI-10D	NEMA 6-15
LYNX-OI-10E	UK Type-G
LYNX-OI-10F	NEMA L6-15



LYNX[®] PID Temperature Control Module

Features & Benefits

- ▶ One module per zone of temperature control
- ▶ Fully programmable with 3-buttons and 3-digit display on module
- ▶ PID control with auto-tuning to minimize overshooting
- ▶ Modbus RTU communication to your system
- ▶ Low and high temperature alarm settings provide peace of mind
- ▶ Highly visible multi-color display for status indication

Part No.	Description
LYNX-MOD	Temperature control module

Requires a docking station and power harness for operation. See options starting on page 146.



“ In 2004, BriskHeat supplied us with silicone heating pads and controllers for one of our industrial blenders (used to create flavoring mixtures for many popular food products). And they are still running strong! We are putting in another line with a blender that will have the same heating requirements and we will use a BriskHeat system. ”

~ Kevin Knapp
Blendex Company

LYNX® COMPONENTS

Ordering Information

Docking Station

For heaters without a built-in dock, a docking station is required to connect a LYNX control module to a heater. A wide variety of docking stations are available with different heater plug

and sensor type configurations. Temperature sensor receptacles accept standard or mini sizes. Docking station assembly requires a power harness and module for operation.



Part No.	Sensor Type	Heater Receptacle
LYNX-DOC1-KA	Docking station with Type-K thermocouple and heater receptacles	NEMA 5-15R
LYNX-DOC1-KD	Docking station with Type-K thermocouple and heater receptacles	NEMA 6-15R
LYNX-DOC1-KG	Docking station with Type-K thermocouple and heater receptacles	IEC13 and mate
LYNX-DOC1-KH	Docking station with Type-K thermocouple and heater receptacles	HAN Q 2/0 with mate
LYNX-DOC1-KL	Docking station with Type-K thermocouple and heater receptacles	ML-2R mini-twist and mate

Type J thermocouple or RTD PT100 sensors can substitute K thermocouples. See Order Configurations below

Other configurations

Part No.: LYNX-DOC1- S X - Docking station with "S" sensor and "X" receptacle

Temperature Sensor

Heater Receptacle

J = Type-J Thermocouple

A = NEMA 5-15R

H = HAN Q 2/0 with mate

K = Type-K Thermocouple

D = NEMA 6-15R

L = ML-2R Mini-twist and mate

R = RTD-PT100

G = IEC13 with IEC14 mate

N = ML-3R

F = NEMA L6-13

M = NEMA L6-20R



Power and Communication Harness

Each Temperature Control Module receives power from a docking station which also provides power to the heater. BriskHeat heaters may be custom ordered with a prewired dock and temperature sensor. Free-standing docking station assemblies

allow LYNX to be used with almost any heater. The same power harness may be used with either. Select the power harness in the length required with the appropriate power plug. A power harness may be ordered with a communication cable.

Power Harness

Select one of these harnesses if communication capabilities are not required.

Part No.	Length ft (m)	Plug
LYNX-HN-60A	6 (1.8)	NEMA 5-15P
LYNX-HN-60B	6 (1.8)	Ferrule Ends
LYNX-HN-60C	6 (1.8)	Schuko CEE 7/7
LYNX-HN-60D	6 (1.8)	NEMA 6-15P

Part No.	Length ft (m)	Plug
LYNX-HN-60E	6 (1.8)	UK Type G
LYNX-HN-60F	6 (1.8)	NEMA L6-15 Twist Lock
LYNX-HN-60J	6 (1.8)	NEMA 6-20P



Plug & Play Power Cord

Other lengths available upon request

EASY WAYS TO ORDER

1. Contact your local distributor. Check BriskHeat.com to locate a local distributor.
2. Call BriskHeat® at 800-848-7673 or 614-294-3376. We have a staff of application specialists to solve your unique needs.
3. Order online at BriskHeat.com - 24/7.

PAYMENT TERMS

Credit Card Options



Net 30 Option

Net 30 Terms are available to qualified companies. Please contact your Account Manager for additional details.

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Ordering Information

Power Harness with Communication Cable

A communication cable is required for use with an Operator Interface or Central Monitoring System (CMS)

Part No.	Length ft (m)	Plug
LYNX-HN-66A	6 (1.8)	NEMA 5-15P
LYNX-HN-66B	6 (1.8)	Ferrule Ends
LYNX-HN-66C	6 (1.8)	Schuko CEE 7/7
LYNX-HN-66D	6 (1.8)	NEMA 6-15P
LYNX-HN-66E	6 (1.8)	UK Type G
LYNX-HN-66F	6 (1.8)	NEMA L6-15 Twist Lock
LYNX-HN-66J	6 (1.8)	NEMA 6-20P
LYNX-HN-66M	6 (1.8)	NEMA L6-20 Twist Lock
LYNX-HN-66N	6 (1.8)	NEMA ML-3P Twist Lock
LYNX-HN-12A	12 (3.7)	NEMA 5-15P
LYNX-HN-12B	12 (3.7)	Ferrule Ends
LYNX-HN-12C	12 (3.7)	Schuko CEE 7/7
LYNX-HN-12D	12 (3.7)	NEMA 6-15P
LYNX-HN-12E	12 (3.7)	UK Type G
LYNX-HN-12F	12 (3.7)	NEMA L6-15 Twist Lock
LYNX-HN-12J	12 (3.7)	NEMA 6-20P
LYNX-HN-12M	12 (3.7)	NEMA L6-20 Twist Lock
LYNX-HN-12N	12 (3.7)	NEMA ML-3P Twist Lock

Other lengths available upon request

Docking Station Stand

The LYNX[®] Docking Station may be mounted on this stand to use it as a benchtop controller. A hole in the back accommodates the incoming power cord. Includes 2 counter-sunk screws with #6-32 threads to mount the dock on the stand.



Part No.	Description
LYNX-STD	LYNX [®] docking station stand



Power and Communication Extension Cables

9-Pin Mate-N-Lok male to 9-Pin Mate-N-Lok female

Part No.	Length ft (m)
LYNX-EXP-4	4 (1.2)
LYNX-EXP-6	6 (1.8)
LYNX-EXP-8	8 (2.4)
LYNX-EXP-10	10 (3.0)
LYNX-EXP-20	20 (6.1)
LYNX-EXP-50	50 (15.2)

Other lengths available upon request

Communications-Only Extension Cables

4-Pin Mini-Fit Jr male to 4-Pin Mini-Fit Jr female

Part No.	Length ft (m)
LYNX-EXC-4	4 (1.2)
LYNX-EXC-6	6 (1.8)
LYNX-EXC-8	8 (2.4)
LYNX-EXC-10	10 (3.0)
LYNX-EXC-20	20 (6.1)

4-Pin Mini-Fit Jr male to bare wire leads

Part No.	Length ft (m)
LYNX-EXA-10	10 (3.0)

Other lengths available upon request



Right from the start, I was impressed with BriskHeat. They are a company with exceptional customer service. BriskHeat offers a well-made high-quality product that does the job perfectly. This is the type of partner relationship we strive to develop to ensure our customers receive the best final product we can produce.



~ Robert Ferguson

Project Manager with International Flora Technologies

LYNX® COMPONENTS

"Y" Power Booster Cables

Each LYNX® Power Harness is capable of powering loads up to 12 amps. When strings of multiple LYNX® modules are utilizing communication features and the group requires more than 12 amps, "Y" Power Booster cables are needed. These special cables allow for all modules in the string to communicate with the Operator Interface, while providing needed power to a group of

modules within that string. An additional power harness, without the communication cord, is required for each "Y" power booster. Each "Y" power booster is 12 in (305 mm) long from power source connection to in-line power connection and 6 in (152 mm) long from male to female 9-pin Mate-N-Lok power connection.

Ordering Information

Part No.	In-line Power Connections (Male and Female)	Power Source Connection End (Male)
LYNX-EXY-1	9-pin Mate-N-Lok	3-pin Mate-N-Lok
LYNX-EXY-2	9-pin Mate-N-Lok	9-pin Mate-N-Lok
LYNX-EXY-4	9-pin Mate-N-Lok	4 Position Mate-N-Lok
LYNX-EXY-5	9-pin Mate-N-Lok	5 Position Mate-N-Lok
LYNX-EXY-6	9-pin Mate-N-Lok	4 Position CPC



Temperature Sensors

LYNX® Docking Stations include receptacles for heaters and temperature sensors. The temperature sensor receptacles accept either standard or mini-connectors with 2-pins.

Part No.	Description
TAJN05-BA-ROHS	Type-J Thermocouple, 5 ft (1.5 m) long, fiberglass sleeving, standard connector, RoHS compliant
TAKN05-EA-ROHS	Type-K Thermocouple, 5 ft (1.5 m) long, fiberglass sleeving, standard connector, RoHS compliant
THRN05-JA-ROHS	2-wire PT100 RTD, 5 ft (1.5 m) long, fiberglass sleeving, standard connector, RoHS compliant

More temperature sensor options available upon request. Contact BriskHeat for more information.

