

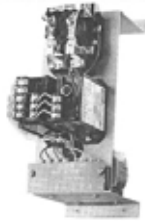


hubbell industrial controls, inc.

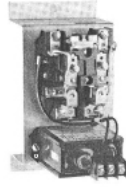
5330

Oct. 2011, Replaces May 2010
Discount Code FD

FREQUENCY SENSOR



Frequency Sensor with Power Supply



Frequency Sensor with Power Supply



Calibration Module

FREQUENCY SENSOR (WITH POWER SUPPLY)			
Note: (Relay drops out when frequency falls below point)			
FREQ. RANGE	RELAY PICKS UP WHEN FREQUENCY IS:	PART NUMBER	LIST PRICE
5-30 hz	5 hz Above Set Point	5330-48746-101	\$2,708
	Adjustable (2-17 hz) Above Set Point	5330-48746-102	\$2,708
15-80 hz	10 hz Above Set Point	5330-48746-103	\$2,708
	Adjustable (2-17 hz) Above Set Point	5330-48746-104	\$2,708
	2 hz Above Set Point	5330-48746-109	\$2,708
50-260 hz	10 hz Above Set Point	5330-48746-105	\$2,708
	Adjustable (2-17 hz) Above Set Point	5330-48746-106	\$2,708

FREQUENCY SENSOR (WITH POWER SUPPLY)			
Note: (Relay picks up when frequency falls below point)			
FREQ. RANGE	RELAY DROPS OUT WHEN FREQUENCY IS:	PART NUMBER	LIST PRICE
5-30 hz	5 hz Above Set Point	5330-48746-108	\$2,708
15-80 hz	2 hz Above Set Point	5330-48746-107	\$2,708
	10 hz Above Set Point	5330-48746-111	\$2,708
	Adjustable (2-17 hz) Above Set Point	5330-48746-110	\$2,708
50-260 hz	10 hz Above Set Point	5330-48746-112	\$2,708

* FREQUENCY SENSOR (WITHOUT POWER SUPPLY)			
Note: (Relay drops out when frequency falls below point)			
FREQ. RANGE	RELAY PICKS UP WHEN FREQUENCY IS:	PART NUMBER	LIST PRICE
5-30 hz	5 hz Above Set Point	5330-48751-101	\$1,830
	Adjustable (2-17 hz) Above Set Point	5330-48751-102	\$1,830
15-80 hz	10 hz Above Set Point	5330-48751-103	\$1,830
	Adjustable (2-17 hz) Above Set Point	5330-48751-104	\$1,830
	2 hz Above Set Point	5330-48751-109	\$1,830
50-260 hz	10 hz Above Set Point	5330-48751-105	\$1,830
	Adjustable (2-17 hz) Above Set Point	5330-48751-106	\$1,830

* FREQUENCY SENSOR (WITHOUT POWER SUPPLY)			
Note: (Relay picks up when frequency falls below point)			
FREQ. RANGE	RELAY DROPS OUT WHEN FREQUENCY IS:	PART NUMBER	LIST PRICE
5-30 hz	5 hz Above Set Point	5330-48751-108	\$1,830
15-80 hz	2 hz Above Set Point	5330-48751-107	\$1,830
	10 hz Above Set Point	5330-48751-111	\$1,830
	Adjustable (2-17 hz) Above Set Point	5330-48751-110	\$1,830
50-260 hz	10 hz Above Set Point	5330-48751-112	\$1,830

* Maximum of 5 Frequency Sensor units can be connected to each Frequency Sensor with power supply.

ACCESSORY - FREQUENCY CALIBRATION UNIT			
FREQ. RANGE	DESCRIPTION	PART NUMBER	LIST PRICE
5-300 hz	Unit Designed for Calibration or Trouble Shooting of Installed System	5330-48771-101	\$2,562

TYPICAL USES AND SETTINGS WHEN USED WITH 60HZ MOTORS				
	FREQUENCY RANGE	SETTING	PART NUMBERS W/ POWER SUPPLY	PART NUMBERS W/O POWER SUPPLY
5 SPEED BRIDGE OR TROLLEY				
PR	50-260HZ	D.O. 62HZ	5330-48746-105	-
1AR	15-80HZ	D.O. 39HZ	-	5330-48751-103
2AR	15-80HZ	D.O. 20HZ	-	5330-48751-103
3AR	5-30HZ	D.O. 9HZ	-	5330-48751-101
5 SPEED HOIST				
2AR	15-80HZ	D.O. 42HZ	5330-48746-103	-
3AR	15-80HZ	D.O. 23HZ	-	5330-48751-105
4AR	5-30HZ	D.O. 9HZ	-	5330-48751-101
6 SPEED HOIST				
2AR	15-80HZ	D.O. 45HZ	5330-48746-103	-
3AR	15-80HZ	D.O. 30HZ	-	5330-48751-103
4AR	5-30HZ	D.O. 15HZ	-	5330-48751-101
5AR	5-30HZ	D.O. 7HZ	-	5330-48751-101
SPECIAL APPLICATIONS				
Plugging Relay for Bridge or Trolley	50-260HZ	D.O. 62HZ	5330-48746-105	5330-48751-105
Plug-to-Stop Relay for Bridge or Trolley	15-80HZ	P.U. 62HZ	5330-48746-107	5330-48751-107
Non-Hoist Relay for Counter Torque Hoist	15-80HZ	P.U. 59HZ	5330-48746-107	5330-48751-107
Over-Speed Relay for Counter Torque Hoist	50-260HZ	P.U. 130HZ	5330-48746-105	5330-48751-105

SPECIFICATIONS			
FREQUENCY SENSOR W/ POWER SUPPLY		FREQUENCY SENSOR W/O POWER SUPPLY	
Input Power to Power Supply	120V AC \pm 10% 50/60 hz 70V A Maximum		
Input Power From Motor Secondary	50-600V 50/60 hz		
Input Power to Sensor	24 Volt DC, Terminals 9 & 10, 9 = OV, 10 = +24V	Input Power to Sensor	24 Volt DC, Terminals 9 & 10, 9 = OV, 10 = +24V
Single Input	OV to +15V Square Wave	Single Input	OV to +15V Square Wave
Output Relay	2 SPDT Contacts Each Relay	Output Relay	2 SPDT Contacts Each Relay
Contact Ratings	15A 120/240VAC .8 Pf 30A 120/240VAC Resistive .25A 250VDC Inductive Single Break .50A 250VDC Inductive Double Break 30A 28V DC Resistive	Contact Ratings	15A 120/240VAC .8 Pf 30A 120/240VAC Resistive .25A 250VDC Inductive Single Break .50A 250VDC Inductive Double Break 30A 28V DC Resistive
Amb. Oper. Temp	-40°C to 70°C	Amb. Oper. Temp	-40°C to 70°C

CALIBRATION UNIT	
Input Power to Sensor	24 Volt DC, Terminals 9 & 10, 9 = OV, 10 = +24V
Single Input	OV to +15V Square Wave Oscillator Off. Output Display Shows Motor Sec. Frequency
Single Output	OV to +15V Square Wave Oscillator On. Output Displays Internal Generator Frequency
Display Accuracy	+/-1 Digit of Displayed Value
Amb. Oper. Temp	-40°C to 70°C

ORDERING INSTRUCTIONS
HUBBELL FREQUENCY SENSOR UNIT W POWER SUPPLY
(Qty.) Part # _____ Freq. Range _____
Setting _____
HUBBELL FREQUENCY SENSOR UNIT W/O POWER SUPPLY
(Qty.) Part # _____ Freq. Range _____
Setting _____
CALIBRATION UNIT
(Qty.) Part # _____

Prices are subject to change without notice.



Hubbell Industrial Controls, Inc.
a subsidiary of Hubbell Incorporated
 4301 Cheyenne Drive, Archdale, NC 27263
 Phone (336) 434-2800 · Fax (336) 434-2803
 www.hubbell-icd.com
 sales@hubbell-icd.com