

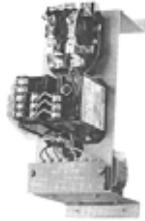


hubbell industrial controls, inc.

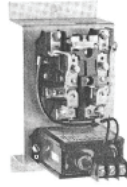
5330

January 2021, Replaces October 2011  
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	\$5,416
	Adjustable (2-17 hz) Above Set Point	5330-48746-102	\$5,416
15-80 hz	10 hz Above Set Point	5330-48746-103	\$5,416
	Adjustable (2-17 hz) Above Set Point	5330-48746-104	\$5,416
	2 hz Above Set Point	5330-48746-109	\$5,416
50-260 hz	10 hz Above Set Point	5330-48746-105	\$5,416
	Adjustable (2-17 hz) Above Set Point	5330-48746-106	\$5,416

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	\$5,416
15-80 hz	2 hz Above Set Point	5330-48746-107	\$5,416
	10 hz Above Set Point	5330-48746-111	\$5,416
	Adjustable (2-17 hz) Above Set Point	5330-48746-110	\$5,416
50-260 hz	10 hz Above Set Point	5330-48746-112	\$5,416

* 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	\$3,660
	Adjustable (2-17 hz) Above Set Point	5330-48751-102	\$3,660
15-80 hz	10 hz Above Set Point	5330-48751-103	\$3,660
	Adjustable (2-17 hz) Above Set Point	5330-48751-104	\$3,660
	2 hz Above Set Point	5330-48751-109	\$3,660
50-260 hz	10 hz Above Set Point	5330-48751-105	\$3,660
	Adjustable (2-17 hz) Above Set Point	5330-48751-106	\$3,660

* 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	\$3,660
15-80 hz	2 hz Above Set Point	5330-48751-107	\$3,660
	10 hz Above Set Point	5330-48751-111	\$3,660
	Adjustable (2-17 hz) Above Set Point	5330-48751-110	\$3,660
50-260 hz	10 hz Above Set Point	5330-48751-112	\$3,660

\* 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	\$5,124

TYPICAL USES AND SETTINGS WHEN USED WITH 60HZ MOTORS				
	FREQUENCY RANGE	SETTING	PART NUMBERS W/ POWER SUPPLY	PART NUMBERS W/O POWER SUPPLY
<b>5 SPEED BRIDGE OR TROLLEY</b>				
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
<b>5 SPEED HOIST</b>				
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
<b>6 SPEED HOIST</b>				
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
<b>SPECIAL APPLICATIONS</b>				
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
<b>HUBBELL FREQUENCY SENSOR UNIT W POWER SUPPLY</b>
(Qty.) Part # _____ Freq. Range _____
Setting _____
<b>HUBBELL FREQUENCY SENSOR UNIT W/O POWER SUPPLY</b>
(Qty.) Part # _____ Freq. Range _____
Setting _____
<b>CALIBRATION UNIT</b>
(Qty.) Part # _____

Prices are subject to change without notice.



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