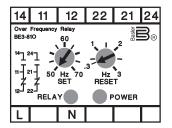


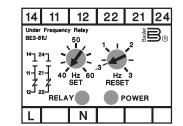
BE3-81O, BE3-81U, **BE3-810/U** FREQUENCY RELAYS

APPLICATION:

BE3 frequency relays provide monitoring, and if the frequency deviates outside the user-adjustable preset limits, the relay will operate. Typically used in protecting generators against over or under speed, this is achieved as speed is proportional to frequency. Other uses include monitoring utility mains power supplies and computer supplies. The user is provided with adjustment of both the trip point of frequency being monitored and the differential. BE3 frequency relays energize when the input signal exceeds the trip point, i.e. relay energizes on trip, unless option of de-energize on trip is requested. A red LED indicates the state of the relay, while a green LED indicates the condition of the power supply. The frequency relay monitors its own power supply so no auxiliary power is necessary.

CASE CONNECTIONS:





12 22 21 24 25 18 11 28 15 14 Over/Under BE3-81O/U BB® OVER UNDER OVER ¹⁴] ²⁴] Ľ UNDER HZ 30 360 Hz 440 SET 440 Hz 30 OVER RESET 360 Hz 440 SET POWER 16 Ν 26

GENERAL SPECIFICATIONS:

Input

Nominal voltage: Other nominal voltages: Contact the factory Frequency: Burden: Overload:

120V, 240V, 380V, 480V 50Hz, 60Hz, or 400Hz Less than 2.5VA per phase 1.5 times nominal continuous, 2 times nominal for 3 seconds

All units self-powered.



誥鑫企業有限公司 ロ しついドANY LID. 台北市復興北路427巷30號 (02)2717-5038 (02)2717-5038 (02)2717-5039 taipei@arith.com.tw http://www.arith.com.tw 地址: 電話: 傳真: e-mail: 網址:

Set point

Range: 50Hz nominal 60Hz nominal Differential: 50 & 60Hz Adjustable 0.3 to 3Hz 400Hz Repeatability: Operating time:

Adjustable 40 to 60Hz Adjustable 50 to 70Hz 400Hz nominal Adjustable 360 to 440Hz Adjustable 3 to 30Hz Better than 0.5% of full span 200 ms, typical

Weight and Case Size

Single unit:

Combined unit:

0.88 lbs. (0.4kg) 2.17 in. wide (55mm) 1.32 lbs. (0.6kg) 3.93 in. wide (100mm)



ROUTE 143, BOX 269 HIGHLAND, ILLINOIS 62249, U.S.A. PHONE 618-654-2341 FAX 618-654-2351

ULL-2 8-07

PERFORMANCE SPECIFICATIONS:

Environmental

Operating temperature: 0°C to 60°C (32°F to 140°F) Functional temperature: -25°C to 70°C (-13°F to 158°F) Storage temperature: -40°C to 70°C (-40°F to 158°F) Temperature coefficient: 0.03% per °C (200ppm/°C) Relative humidity: 95% noncondensing

Agency Approvals

cULus listed to UL 508 and CSA C22.2 No. 14 CE compliant Gost R certified #POCC US.ME05.B03391

Insulation

Test voltage:	4kV RMS 50Hz 1min between
Impulse test:	Input, Case, and Auxiliary EMC 5kV transient, complies
HF interference test:	with IEC 801, EN 55020 EHF 2.5kV 1MHz, complies
Protection class:	with IEC 255-4 II, complies with IEC 348

Applied Standards

General:	IEC 144, BS 5420, VDE/VDI 0435, IEC 947, EN 60947
Safety:	BS EN 61010, DIN 57411, VDE 0411, ANSI C37
Surge withstand:	IEC 801, EN 55020, ANSI C37-90a
RFI:	RFI degree N, complies with VDE 0875
Relay Output Relay type:	D.P.D.T.
AC Rating: DC Rating: Mechanical Life:	250V, 5A, nonresistive,1200VA 125V, 1A, resistive, 120 watts 5 million operations
Enclosure	
Mounting:	Snap onto DIN rail 1.38in. x .29in.(35mmx7.5mm), complies with DIN-EN 50022,

BS 5584 Any position

Case IP 50, terminals IP 30

Complies with UL 94 VO

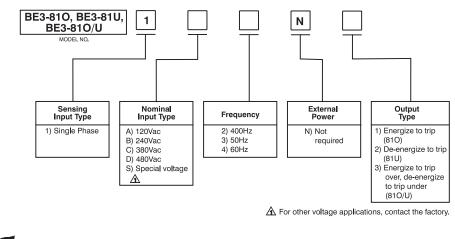
Enclosure code: Material:

HOW TO ORDER:

Designate the Model Number followed by the complete Style Number.

Complete the Style Number by selecting one feature from each column of the Style Identification Chart and entering its designation, letter or number, in the appropriate square. Note: The description of a complete relay must include both Model Number and Style Number.

STYLE IDENTIFICATION CHART:



asler Electric



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