

SP.NO.

Yamatake Corporation

製品仕様書
SPECIFICATIONS

SPECIFICATION:

Power Supply Voltage and Frequency: 100-200VAC 50-60Hz

Allowable Voltage Range: At 100V rating 90 ~ 121V
At 200V rating 180 ~ 240V

Control Operation: Position proportioning

Zero Setting Range: 0 ~ 70% (Opening angle of input potentiometer at the time when Modutrol Motor starts moving)

Span Setting Range: 30 ~ 100% (Changing amount of input potentiometer needed to move Modutrol Motor 100%)


Dead Zone: 3% TYP (for full span of input potentiometer)

Ambient Temperature: 0 ~ 50°C

Relay Contact Rating: AC100V-3A (Resistive load)
AC250V-1.5A (Resistive load)
AC100-250V, 100VA (Inductive load COS ϕ =0.4)
AC24V, 40VA (Inductive load COS ϕ =0.4)

Input: Nominal 135 Ω potentiometer (2k Ω max.)

Output: Relay contact connected to Modutrol Motor

作成DR.		尺度 SCALE	記入のない公差 TOL. UNLESS NOTED
検図CHK	形番 MODEL	WN120C-1	
認可APPD. M.S. 92-2-27	名称 NAME	Electronic Balancing Relay	
日付DATE	図番 NO.	2762E	改番REV 00 1/4
Feb 27, 92			

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DATE担当
BY検閱
APPD.

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Power Consumption: 3W

Weight {Mass}: 2.1kg

Chassis Surface Finish: Gray paint


Dielectric Strength: Between the case and the power supply terminal 0, 100 or 200, or output terminal 1, 2 or 3
AC1500V 1 minute or AC1800V 1 second

Insulation Resistance: Between the case and the power supply terminal 0, 100 or 200, or output terminal 1, 2 or 3
10MΩ min. (DC500V megger)

OPERATION: (Refer to the wiring diagram in page 4/4.)

- If the input potentiometer moves toward the opening direction (increasing resistance between R and W), the internal Relay K1 pulls in, the red lamp lights, the circuit between Terminals 3 and 2 is shorted, Modutrol Motor starts moving toward the opening direction and the potentiometer balances at a position conforming to the zero and span settings.
- To the contrary if the input potentiometer moves toward closing direction (reducing resistance between R and W), the internal Relay K2 pulls in, the green lamp lights, the circuit between Terminals 3 and 1 is shorted, Mod. Motor starts moving toward the closing direction, and the potentiometer balances at a position conforming to the zero and span settings.

Note: To reverse the relation between the operation of the input potentiometer and that of Mod. Motor, connect the wire from R of the input potentiometer to W of WN120C-1 and the wire from W to R contrary to the wiring diagram.

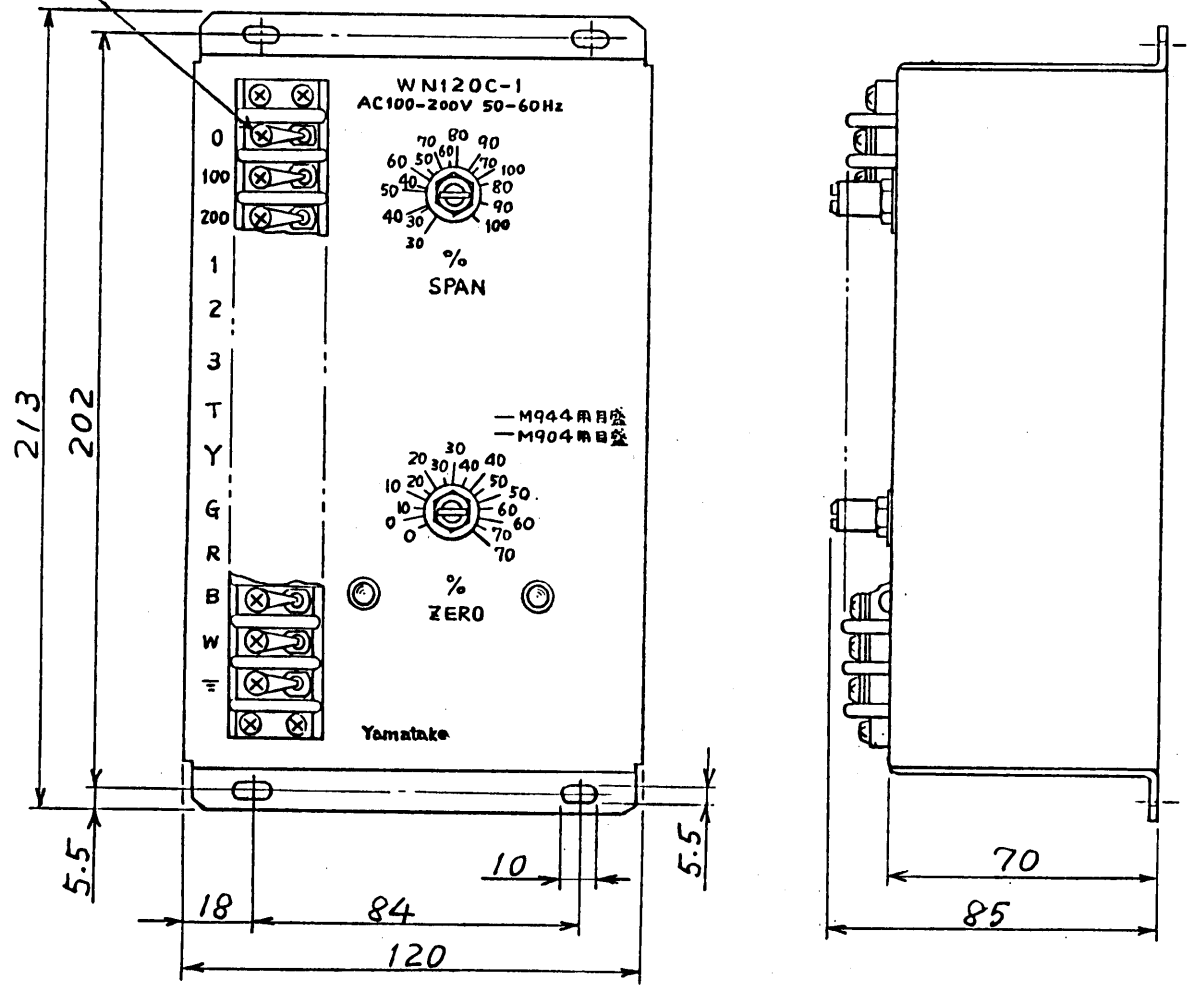
作成DR.		尺度 SCALE	記入のない公差 TOL. UNLESS NOTED
検図CHK	形番 MODEL	WN120C-1	
認可 APPD. m.s. 92-2-27	名称 NAME	Electronic Balancing Relay	
日付 DATE	図番 NO.	2762E	改番 REV 00 2/4
頁	改番 REV.	来歴 RECORD	日付 DATE
		担当 BY	検閲 APPD.
			Feb 27, 92

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M3.5 TERMINAL SCREWS



NOTE : OUTSIDE SCALE --- WHITE (SCALE FOR M944)
INSIDE SCALE --- ORANGE (SCALE FOR M904)

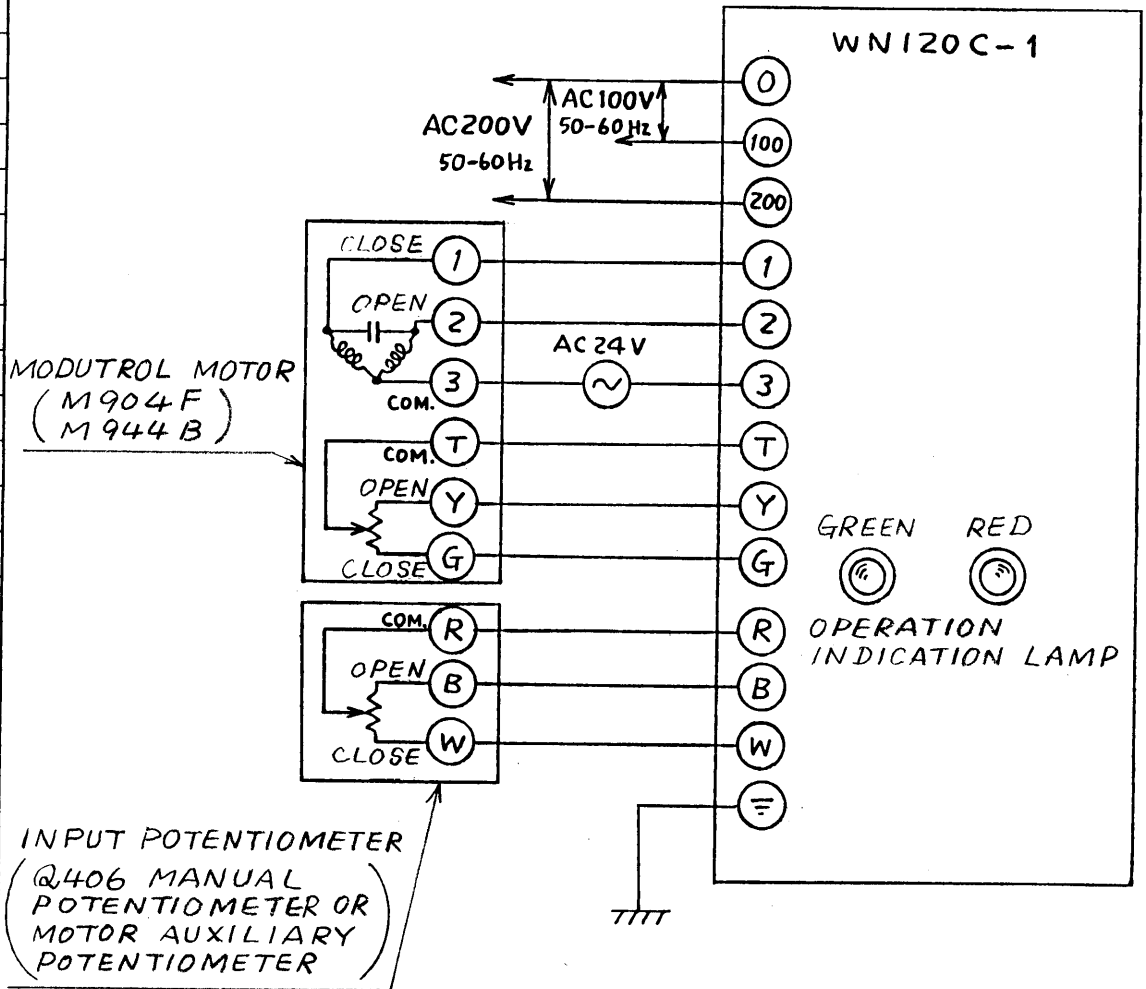
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作成DR.	Dr. Johiyama	2.20.92	検図CHK.	M. Ogido	2.20.92	認可APPD.	K. Minami	2.21.92	日付DATE	Feb 27 92	形番	MODEL	WN120C-1	名称	NAME	ELECTRICAL BALANCING RELAY	図番	NO.	2762E	改番	REV.	00	3/4
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WIRING DIAGRAM

作成DR. M. Sakiyama 2.20.'92	形番 MODEL	尺度 SCALE mm	記入のない公差TOL: UNLESS NOTED
検閲CHK. M. Ogido 2.22.'92	名称 NAME	WN120C-1	
認可APPD K. Nural 2.21.'92	ELECTRICAL BALANCING RELAY		
日付DATE Feb. 21 '92	図番 NO.	2762E	改番REV 00/4

頁	改番 REV.	来歴 RECORD	日付 DATE	担当 BY	検閲 APPD
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“RESTRICTIONS ON USE”

This product has been designed, developed and manufactured for general-purpose application in machinery and equipment.

Accordingly, when used in applications outlined below, special care should be taken to implement a fail-safe and/or redundant design concept as well as a periodic maintenance program.

- Safety devices for plant worker protection
- Start/stop control devices for transportation and material handling machines
- Aeronautical/aerospace machines
- Control devices for nuclear reactors

Never use this product in applications where human safety may be put at risk.

1	00	00	First issue	12-2-02	Harada	Miura
頁	改番	改番	来歴	日付	担当	検閲
	REV.	REV.	RECORD	DATE	BY	APPD.