

Amplifier type VT—3013 and VT—3014 are used for
controlling direct operated proportional directional valves
as follows:

Valves type 4WRA6....

Valves type 4WRA10....

They basically consist of:

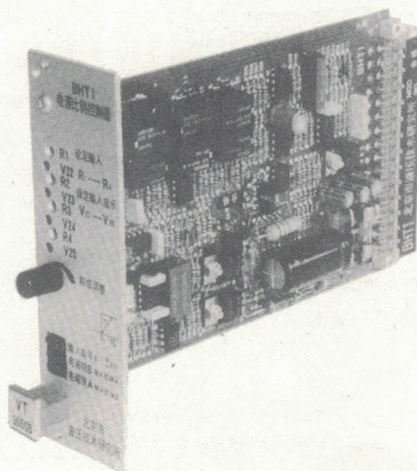
- Voltage stabiliser
- 4 potentiometers for pre-setting of input signals
- Relais for selecting the input signals
- Ramp generator
- Function generator
- Differential amplifier input
- 2 pulse width modulated output stages

Suitable card holders

VT—3002 RC 29916

VT—1516 RC 29915

VT—1700 RC 29917



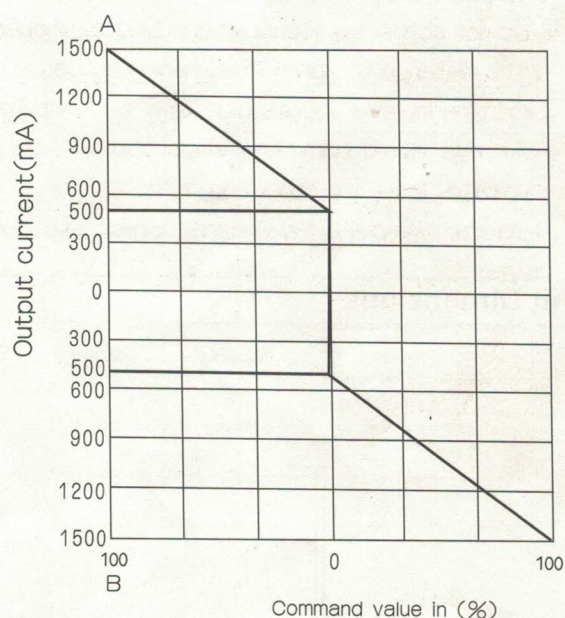
VT 3014 S 30

Technical data

Weight	0.18kg
Supply voltage	
Full bridge rectifier	24V _{eff} ± 10%
Three phase bridge rectifier	24V–35V _{eff}
Power requirement	40VA
Fuse wire	2.5AmpM
Control voltage	Potentiometers pre-setting input
	Differential input
	0 ~ ± 9 V
	0 ~ ± 10 V
The min.load resistance for control voltage	500 Ω
Max.output current	1500mA
Pilot current	≤ 20mA
Max. load resistance	16 Ω
Ambient temperature	0 up to 75°C
Space requirement	40mm
Temperature drift	0.75mA/°C

For further details, please consult us!

Output characteristic curve



Ordering code

VT-30	BS	30 ¹ / ₁	*
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for valve type 4WRA6....

= 13

for valve type 4WRA10....

= 14

32 pin linear plug as per DIN41612
(EURO card format)

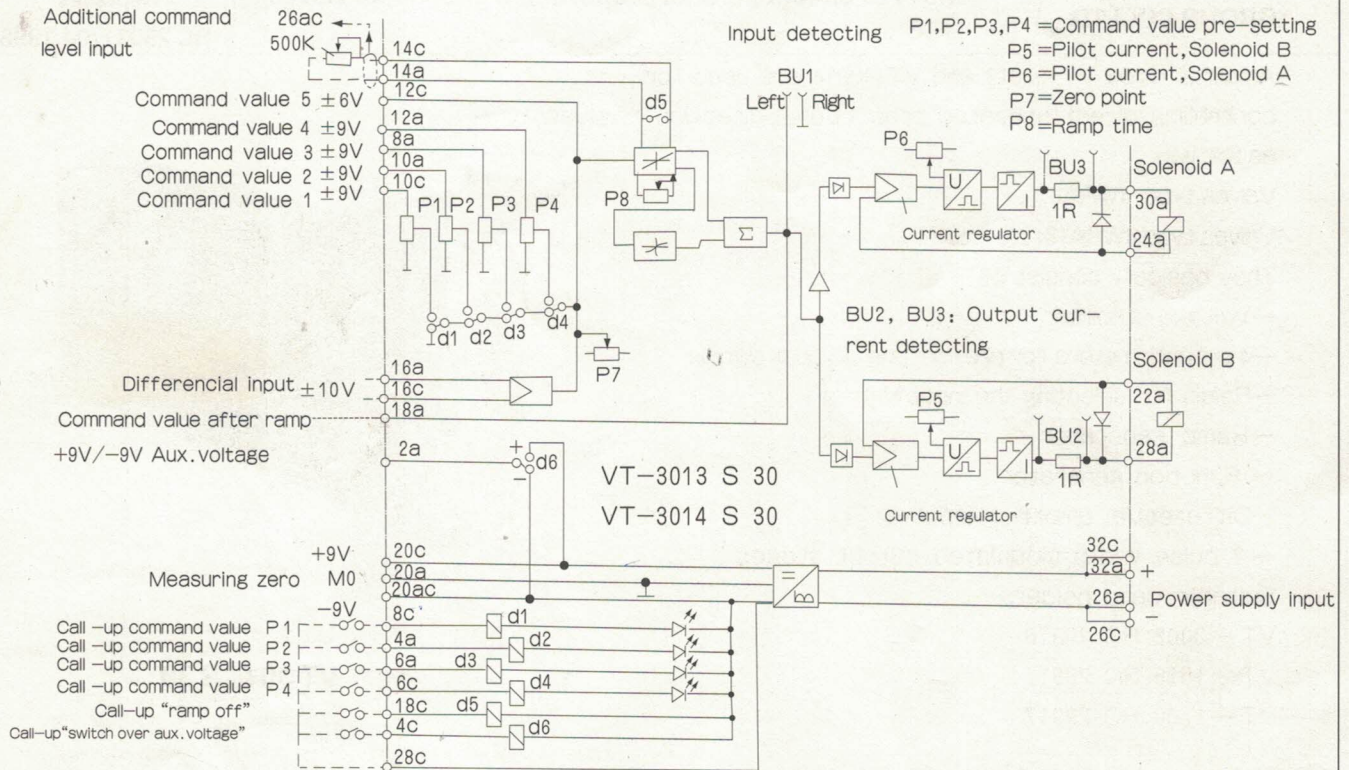
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Further details in clear text

R1 = Max.ramp time 1_{sec}
R5 = Max.ramp time 5_{sec}

30 = 30 Series
(30–39=the amounting dimension remains unchanged)

Terminal connection



- The amplifier card may only be plugged or unplugged when the power is off!
- Measurements to be made with a high resistance meter set on the voltage range!
- Do not connect measuring zero(M0) to 0V operating voltage!
- The distance to aerial lines, radio sources and radar equipment must be at least 1 meter
- Command level inputs may only be switched with contacts suitable for current of $<1mA$!
- Always shield command value cables; connect the shield on the card side to the 0V operating voltage, leave the other end open.
- Do not lay solenoid and signal cables near power cables.

Unit Dimensions

(dimensions in mm)

