



Catálogo de Produtos

Eletrical amplifier type VT-5001/5002/5003/5004/5010

BEIJING HUADE HYRAULIC INDUSTRIAL GROUP CO.,LTD	Electrical amplifier for the control of proportional valves with electrical position feedback type VT5001/5002/5003/5004 and 5010,20 series	RC29923/9.2006
		Replaces RC 29923/04.1998

Amplifier type VT5001/VT5002/VT5003/VT5004 are used for controlling di-
rectional proportional valves with electrical position feedback(directional valves,
pressure valves and flow control valve)

Type VT—5001 is used for controlling NG6, 2-way proportional valve
(4WRE6...A...)

Type VT—5002 is used for controlling NG10, 2-way proportional valve
(4WRE10... A...)

VT—5003 is used for controlling proportional pressure relief valve with
positional feedback

VT—5004 is used for controlling proportional flow control valve type
2FRE1 ¹⁰/₁₆ — 40...

VT—5010 is used for controlling proportional valve type

2FRE6 — 10/... — pulse width modulated output stages

They bisically consist of —Central function generator

—Smoothering circuit —Ocsillator and demoldulator for inductive positional

—Voltage stabiliser feedback

Suitable card holder:

—PID regulator

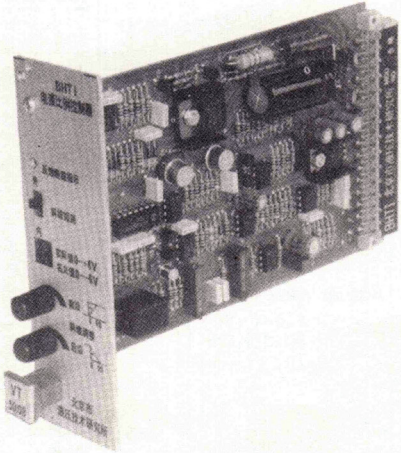
VT—3002 RC 29916

—Ramp generator

VT—1516 RC 29915

VT—1700 RC 29917

—Cable break detector with LED indicator



VT 5004 S 20/

Technical data

Weight	0.40kg
Supply voltage	Full wave rectification 24V _{eff} ± 10%
	3 phase supply 24V—35V _{eff}
Power requirement	50VA
Fuse wire	3A
Controlled voltage	± 9V
The min.load resistance control voltage	500 Ω
Max.output current—Solenoid A	2.2A
Ambient temperature	0...45°C
The frequency of oscillation	2.5KHz
Space requirement	40mm

For further details,please consult us!

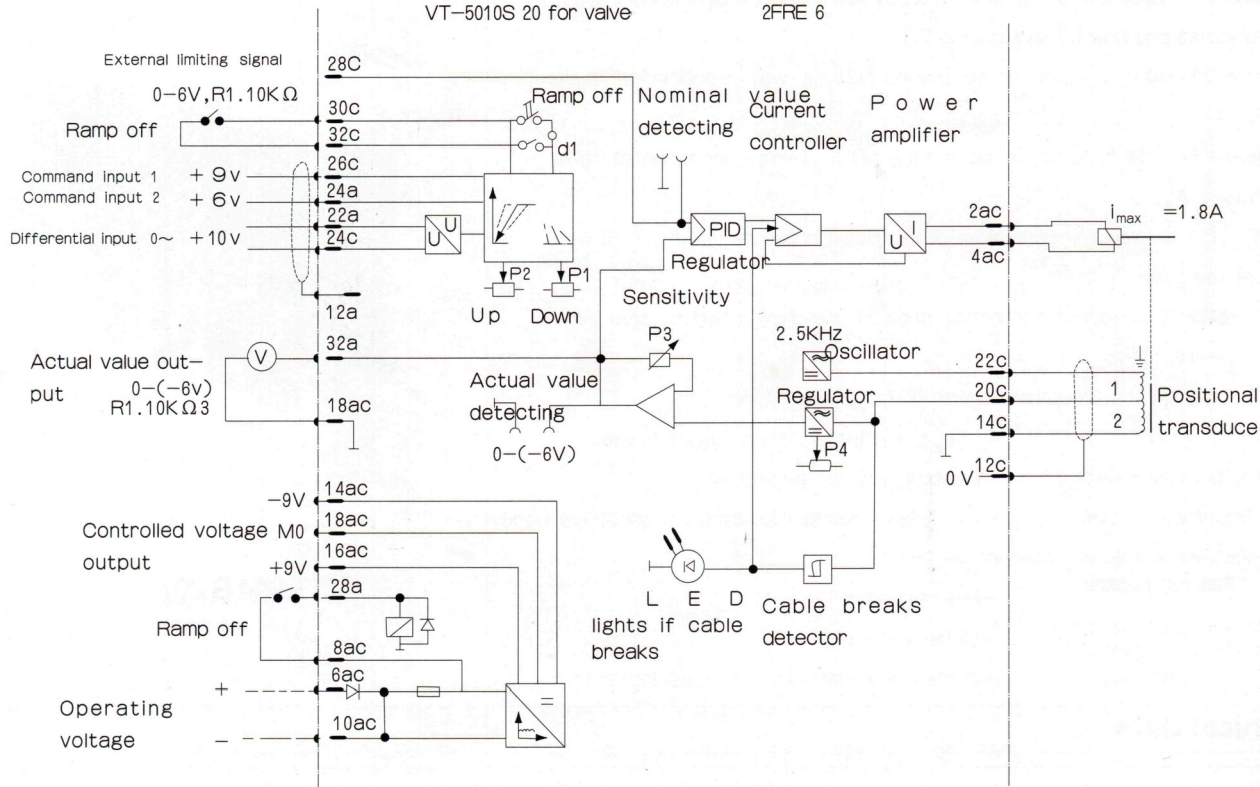
Ordering code

VT-50 BS 20 *

Proportional amplifier for valves		Further details in clear text
Type (4WRE6...A...)	= 01	
Type(4WRE10...A...)	= 02	R1 = Max.ramp time 1 _{sec}
Type DBETR	= 03	R5 = Max.ramp time 5 _{sec}
Type 2FRE10 and 16	= 04	
Type 2FRE 6	= 10	
32 pin linear plug as per DIN41612 (EURO card format)	=S	20 = 20 Series (20—29=the amounting dimension remains unchanged)
		30 = 30 Series (30—39=the amounting dimension remains unchanged)

Terminal connections

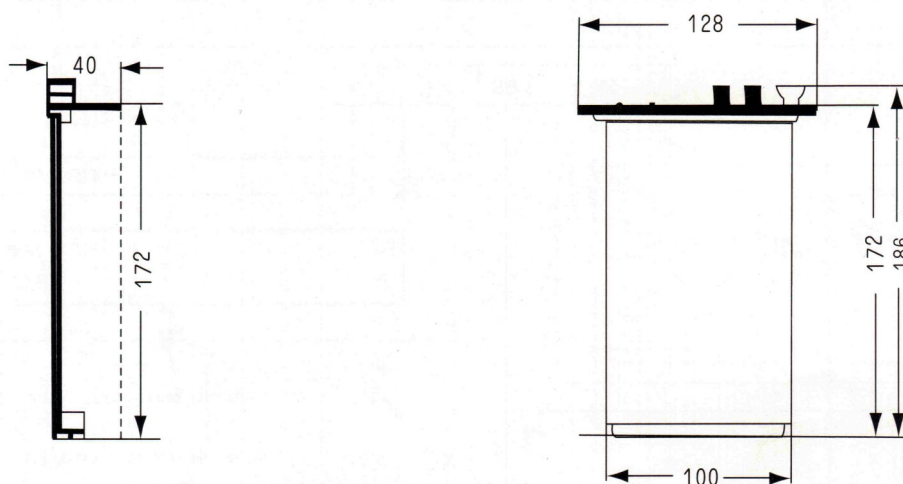
VT-5001S 20 for valve (4WRE6...A...)
 VT-5002S 20 for valve (4WRE10...A...)
 VT-5003S 20 for valve with position feedback
 VT-5004S 20 for valve 2FRE 10
 2FRE 16
 VT-5010S 20 for valve 2FRE 6



- The amplifier card may only be plugged or unplugged when the power is switched 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)



ANNOTATIONS :

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