

Features

- Easy programming
- Fast:
0.01μS – 0.03μS
execution speed
- Large memory:
48,000 Step program
capacity.
- High Data Rate:
Highest Baud Rate
921600
- High Speed Counters
and Interrupts
- Supports PID and
CCPID auto-tuning
- Supports E-CAM
- Flexible:
I/O Extension
Modules (see P5)
- Adaptable:
Function Expansion
Modules (see P 5)
- Free Programming
Software (Download)

RS PRO Programmable Logic Controllers with Transistor Output

1. RS Stock No's:

2665102
2665105
2665107
2665109
2665116

2665103
2665106
2665108
2665111
2665117



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- *PLC's are Industrial Computers used to control different electro-mechanical systems in manufacturing processes, Machines and Automation & Control Systems.*
- *The high-speed nature of these PLC's make them ideal for Packaging Machinery, Automated Production Lines, Industrial Robots and Textile Machinery.*
- *PLC's can be used with HMI's for monitoring and control of processes and machinery and can be integrated seamlessly with suitable Variable Frequency Drives and Servo Drives in mechanical control applications.*

General Specifications

Running Mode	Cyclical scan/Interrupt
Programming	Instruction List/Ladder
Total Programme Instructions	Basic instructions: 29 / Application instructions: 170
Execute Time	Basic instructions: 0.01 – 0.03µS
Programme Storage	512KB
Download/Monitoring	Serial Programming Cable (Serial Port) / Micro USB
High Speed Pulse Output	See list of types on page 4
High Speed Counter Interrupt	100 Channels
Timer Interrupt	100 Channels, Minimum Interrupt time 0.1mS
External Input Interrupt	Inputs X0-X7 support both rising and falling edges
Power-down save	Selectable in software
Storage	FLASH
Filter	For all X Input terminals
Serial Port	COM1: RS422/RS485. COM2: RS485
Ethernet (Optional)	See 2665118 plug-in Function Expansion Module on page 5

Mechanical Specifications

Temperature	Working: 0-55°C / Storage: 0 – 70°C
Humidity	38 – 85%RH (non-condensing)
Shock	JIS0040 Standard

Electrical Specifications

Supply Voltage:	AC Types: 85-265Vac 50-60Hz. DC: 24Vdc +/-10%
	DC Types: 24Vdc +/-10%
Input Voltage	24Vdc
Output Voltage	24Vdc
Output Type	Transistor: NPN. Optically Isolated.
Output Response Time	<10ms
Minimum Output Load	DC5V 2mA
Maximum Output Load	Resistive: 0.5A, 0.8A COM port, 0.3A High Speed Pulse Output
	Inductive: 12W/DC24V, 7.2W High Speed Pulse Output
	General: 0.9W/DC 24V
Leakage Current	0.1mA / DC 30V
COM Port Current	<0.1mA (DC 30V)
Influence Immunity	Meets IEC61000-4-4 and GB/T 17626.4 Standards

Approvals

Standards Met	UKCA, CE, REACH, RoHS, FCC
---------------	----------------------------

Similar Products

Stock No.	Brand	Product Name	Inputs	Outputs	Supply Voltage	High Speed Pulse Output	High Speed Input Signal	High Speed Input AB Phase	USB Supply
2665102	RS PRO	PLC	14	12	85-265Vac	Transistor: 4 Channel/200KHz	4 Channel 150kHz	4 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665105	RS PRO	PLC	16	16	85-265Vac	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665107	RS PRO	PLC	24	16	85-265Vac	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665109	RS PRO	PLC	24	24	85-265Vac	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665116	RS PRO	PLC	36	24	85-265Vac	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665103	RS PRO	PLC	14	12	24Vdc +/-10%	Transistor: 4 Channel/200KHz	4 Channel 150kHz	4 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665106	RS PRO	PLC	16	16	24Vdc +/-10%	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665108	RS PRO	PLC	24	16	24Vdc +/-10%	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665111	RS PRO	PLC	24	24	24Vdc +/-10%	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L
2665117	RS PRO	PLC	36	24	24Vdc +/-10%	Transistor: 8 Channel/200KHz	8 Channel 150kHz	8 Channel 100kHz Freq' Modes 1/2/4 times	Firmware U/G Programme D/L

I/O Extension



For technical details and dimensions please refer to the data sheet on the product page on the RS website

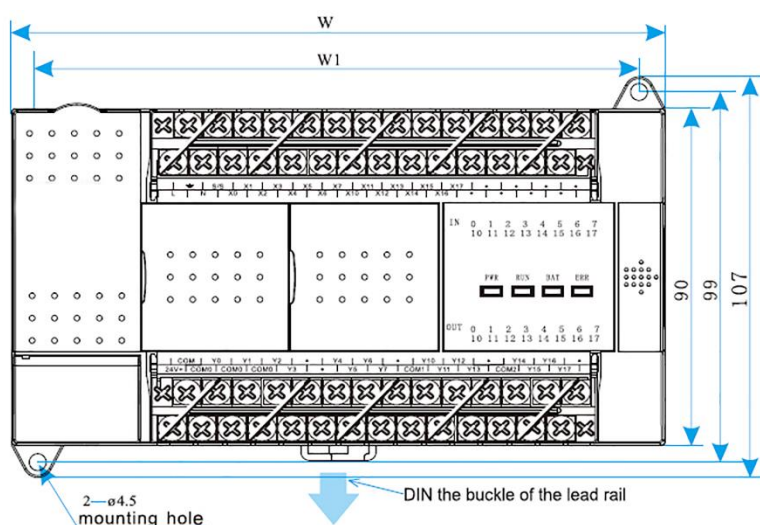
Stock No.	Brand	Description
2665063	RS PRO	4 x Analogue Output Extension Module
2665062	RS PRO	4 x Analogue Input Extension Module
2665064	RS PRO	4 x PT100 Thermal Resistance input Extension Module
2665060	RS PRO	1 x Weighing Input Extension Module (24-BIT)
2665066	RS PRO	8-Inputs Extension Module
2665067	RS PRO	8-Relay output Extension Module
2665068	RS PRO	8-Transistor output Extension Module
2665057	RS PRO	16-Inputs Extension Module
2665058	RS PRO	16-Relay output Extension Module
2665059	RS PRO	16-Transistor output Extension Module

Plug-in Function Expansion

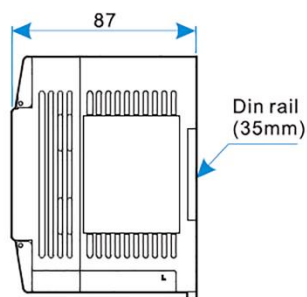


For technical details and dimensions please refer to the data sheet on the product page on the RS website

Stock No.	Brand	Description
2665061	RS PRO	2 Channels RS485. Supports Modbus RTU Master/Slave
2665118	RS PRO	1 x Ethernet port
2665112	RS PRO	2 Channel analogue i/p (4-20mA) + 2 Channel analogue o/p (4-20mA)
2665113	RS PRO	2 Channel analogue i/p (-10-10v) + 2 Channel analogue o/p (-10-10v)
2665114	RS PRO	2 Channel Thermal Resistance i/p + 2 Channel analogue o/p (-10-10v)
2665115	RS PRO	2 x Thermal Resistance Input, Precision >0.01°C
Note: PLC types with 14 inputs & 12 outputs accept 1 Module. All other PLC's accept 2 Modules		



Use the M4 screw to install the PLC. The distance and the location refer to the right figure,



RS Stock Number	RS Stock Number	W(mm)	W1(mm)
2665102	2665103	136	123
2665105	2665106	175	161
2665107	2665108	175	161
2665109	2665111	221	207
2665116	2665117	221	207

