

CHANGEOVER UNITS SYSTEM

SCM

MODELS

SCMLCD1+1 SCML1+1SL SCMLCDN+1

SCMMAN1+1/158 SCM6-1



To ensure the continuity of transmission of the transmitting equipment, RVR produces various models of changeover units for the control of redundant configurations in 1 + 1 and N + 1 up to 6 + 1.

By integrating coaxial relays, distributors and Audio, MPX and RDS routers, it is thus possible to manually or automatically switch the reserve transmission in case of failure of one of the main ones. Depending on the architecture of the transmitting site, dedicated models are available.

ORDERING INFORMATION	
Model	Description
SCMLCD1+1	Telemetry automatic changeover unit.
OPTION	
SCMLCD1+1/T0	Automatic changeover "1+1" unit and telemetry unit with Nr 1 I/O base card on board.
SCMLCD1+1/T1	Automatic changeover "1+1" unit and telemetry unit with Nr 1 I/O additional card on board.
SCMLCD1+1/T2	Automatic changeover "1+1" unit and telemetry unit with Nr 2 I/O additional cards on board.
SCMLCD1+1/T3	Automatic changeover "1+1" unit and telemetry unit with Nr 3 I/O additional cards on board.

ORDERING INFORMATION	
Model	Description
SCML1+1SL	Compact exchange unit for 1 + 1 systems with coaxial relays of any size.
OPTION	
SCML1+1SL/V1	Automatic Changeover "1+1" unit with 4 ways external relay. Power: min 150W max 1kW. Without Telemetry.
SCML1+1SL/V2	Automatic Changeover "1+1" unit with 3 ways internal relay. Power: min 0W max 150W. Without Telemetry.
SCML1+1SL/V3	Automatic Changeover "1+1" unit with 4 ways external relay. Power: from 1kW up. Without Telemetry.
SCML1+1SL/V4	Automatic Changeover "1+1" unit with customized relay. Without Telemetry.

ORDERING INFORMATION	
Model	Description
SCMMAN1+1/158	Manual changeover function across main and spare transmitter by coaxial relay control panel.

ORDERING INFORMATION	
Model	Description
SCMLCDN+1	RVR changeover system is equipped with an on-board telemetry unit so that it guarantee utmost continuous service.
OPTION	
SCMLCDN+1/T0	Automatic Changeover "N+1" and telemetry unit with No. 2 I/O base cards on board.
SCMLCDN+1/T1	Automatic Changeover "N+1" and telemetry unit with No. 3 I/O base cards on board.
SCMLCDN+1/T2	Automatic Changeover "N+1" and telemetry unit with No. 4 I/O base cards on board.

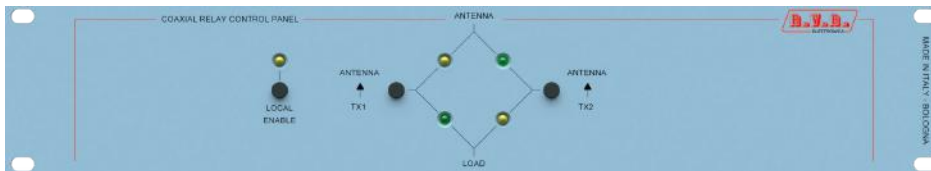
ORDERING INFORMATION	
Model	Description
SCM6-1	Automatic Changeover "N+1", up to 6 transmitters, with integrated telemetry.



SCMLCD1+1
Changeover Units System.



SCML1+1SL
Changeover Units System.



SCMMAN1+1/158
Changeover Units System.



SCMLCDN+1
Changeover Units System.



SCM6-1
Changeover Units System.



SCMLCD1+1

Parameters		Value	Notes	
GENERALS				
Integrated coax-relè	Only / V2	Yes		
Ambient working temperature		-10 °C to + 50 °C / 95%	Relative humidity non condensing	
POWER REQUIREMENTS				
AC Power input	AC Supply voltage	115 - 125 - 230 - 250 VAC ±15%		
	AC Apparent power consumption	W		
	Connector	VDE IEC Standard		
DC Power input	DC Supply voltage	24 VDC		
	DC Current	A		
MECHANICAL DIMENSIONS				
Physical dimensions	L x H x W	mm / inch	483	EIA rack
		mm / inch	88 / 3 1/2	2HE
Weight		kg	About 4	
Cooling			Convection cooling	
Acoustic noise		dBA	0	
AUDIO INPUTS				
Analog		8 ÷ 32	Analog inputs depending by expansion card number.	
Digital / Analog		16 ÷ 64	Digital inputs depending by expansion card number.	
OUTPUTS				
Relay		8 ÷ 32	Analog inputs depending by expansion card number.	
FUSES				
On mains		1 External fuse 4 A F - 5X20 mm		
On services		X		
On PA Supply		X		
On driver supply		X		

SCML1+1SL

Parameters		Value	Notes	
GENERALS				
Integrated coax-relè	only / V2	Yes		
Ambient working temperature		-10 °C to + 50 °C / 95%	Relative humidity non condensing	
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	115 - 125 - 230 - 250 VAC ±15%		
	AC Apparent Power Consumption	W		
	Connector	VDE IEC Standard		
DC Power input	DC Supply Voltage	24 VDC		
	DC Current	A		
MECHANICAL DIMENSIONS				
Physical dimensions	L x H x W	mm / inch	483 / 19	EIA rack
		mm / inch	44 / 3 1/2	1HE
Weight		kg	About 0,3	
Cooling			Convection cooling	
Acoustic noise		dBA	0	
AUDIO INPUTS				
Analog		Specific RVR connectors		
Digital / Analog		Specific RVR connectors		
OUTPUTS				
Relay		Specific RVR connectors		
INTERFACES				
User interface		LCD - 2 x 16 with Encoder		
Signalling LEDs / Synoptical		Yes		
I2C		Yes		
TC/TS		Yes		
FUSES				
On mains		1 External fuse 1,6 A T - 5X20 mm		
On services		X		
On PA Supply		X		
On driver supply		X		

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

SCMMAN1+1/158

Parameters			Value	Notes
GENERALS				
Ambient working temperature			-10 °C to + 50 °C / 95%	Relative humidity non condensing
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage			115 - 230 VAC ±15%
	AC Apparent Power Consumption	W	2	
	Connector	Terminal Block (L-N-PE)		
MECHANICAL DIMENSIONS				
Physical dimensions	L x H x W	mm / inch	483	
		mm / inch	88 / 3 1/2	
Weight			kg	About 0,3
Cooling	Convection cooling			
Acoustic noise	dBa	0		
INTERFACES				
Signalling LEDs / Synoptical	LOCAL	mm	Yellow 5	
	TX1 to ANT	mm	2 x Green 5	
	TX2 to ANT	mm	2 x Yellow 5	
Push button	LOCAL ENABLE	Used for enabling change with push button		
	TX1 to ANT	Used for change Relay in a POS1		
	TX2 to ANT	Used for change Relay in a POS2		
AUDIO INPUTS				
Digital			Command Switch relay	Terminal Block
OUTPUTS				
Digital			Position Switch relay	Terminal Block
Digital			Out of Position Relay	Terminal Block
FUSES				
On mains			1 Fuse 125mA - 5X20 mm	
On services			X	
On PA Supply			X	
On driver supply			X	

SCMLCDN+1

Parameters			Value	Notes
GENERALS				
Integrated coax-relè	Only / V2			Yes
Ambient working temperature			-10 °C to + 50 °C / 95%	Relative humidity non condensing
POWER REQUIREMENTS				
AC Power input	AC Supply voltage			115 - 125 - 230 - 250 VAC ±15%
	AC Apparent power consumption	W		
	Connector	VDE IEC Standard		
DC Power input	DC Supply voltage			24 VDC
	DC Current	A		
MECHANICAL DIMENSIONS				
Physical dimensions	L x H x W	mm / inch	483	
		mm / inch	88 / 3 1/2	
Weight			kg	About 4
Cooling	Convection cooling			
Acoustic noise	dBa	0		
AUDIO INPUTS				
Analog			8 ÷ 32	Analog inputs depending by expansion card number
Digital / Analog			16 ÷ 64	Digital inputs depending by expansion card number
OUTPUTS				
Relay			8 ÷ 32	Analog inputs depending by expansion card number
INTERFACES				
User interface	Graphical LCD - 128 x 64 with Encoder			
Signalling LEDs / synoptical			Yes	
I2C			Yes	
RS232			Yes	
FUSES				
On mains			1 External fuse 4 A F - 5X20 mm	
On services			X	
On PA Supply			X	
On driver supply			X	

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SCM6/1

Parameters		Value	Notes
GENERALS			
Ambient working temperature		-10 °C to + 50 °C / 95%	Relative Humidity non condensing
POWER REQUIREMENTS			
AC Power input	AC Supply voltage	115 - 125 - 230 - 250 VAC ±15%	
	AC Apparent power consumption	W	50
	Connector		VDE IEC Standard
DC Power input	DC Supply voltage	24 VDC	
	DC Current		<2 a
MECHANICAL DIMENSIONS			
Physical dimensions	L x H x W	mm / inch	483
		mm / inch	176 / 3 1/2
Weight		kg	About 6,5
Cooling			Forced with internal fans
Acoustic noise		dBA	<58
AUDIO INPUTS			
Digital			
OUTPUTS			
Relay			Specific RVR connectors
INTERFACES			
User interface			Graphical LCD - 240 x 128 with Encoder
Signalling LEDs / synoptical			Yes
TC/TS			Yes
FUSES			
On mains			1 External fuse 4 A - 5X20 mm
On services			X
On PA Supply			X
On driver supply			X

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R.V.R. Elettronica S.r.l.
Via del Fonditore 2/2
40138 Bologna - Italy
Phone +39 0516010506
sales@rvr.it

www.rvr.it