

## SEL-651R-2

Recloser Control With Automatic Network Reconfiguration, Harmonic Analysis, Single-Phase Trip Capability, 6 Voltage Inputs, Power Quality Monitoring, 8 Settings Groups, Template Storage, SEL Fast SER, and DNP3 Level 2 Outstation

Standard with ACSELERATOR QuickSet® SEL-5030 Software<sup>(1)</sup>

Part Number:

**0 6 5 1 R 2** **A**

### Firmware

Standard 2

### Control Cable Interface

Traditional Retrofit (14-Pin)	1
G&W Viper®-ST, G&W Viper-LT, ABB Gridshield, or ABB Elastimold MVR (32-Pin)*	2
ABB OVR-3/VR3S (15 and 27 kV only) (24-Pin)*	3
G&W Control Power Viper-S or Control-Powered Eaton NOVA (19-Pin)*	4
ABB Joslyn TriMod™ 600R (27-Pin)*	5
Eaton NOVA-TS Triple-Single or NOVA-STS Single-Tank Triple-Single (26-Pin)*	6
Siemens SDR Triple-Single (40-Pin)*	8
Siemens SDR 3-Phase (40-Pin)*	9
SEL Multi-Recloser Interface (42-Pin)*	A

### Enclosure<sup>(2)</sup>

Dual Door (Side Mount), Painted Steel With 3-Point Latches	A
Dual Door (Side Mount), Painted Type 304 Stainless Steel With 3-Point Latches*	B
Single Door (Rear Mount), Painted Steel With 3-Point Latches	C
Single Door (Rear Mount), Painted Type 304 Stainless Steel With 3-Point Latches*	D

### Conformal Coat

None	X
Conformally Coated Circuit Boards*	1

### Secondary Input Voltage

(6) 300 Vac Max Inputs (Both VY and VZ)	A
(3) 8 Vac Max LEA Inputs (VY) <sup>(3)</sup> and (3) 300 Vac Max Inputs (VZ)	B











SEL-C553 40' Control Cable (32-Socket MS26482 to 32-Socket MS26482) and SEL-C533 40' Incoming Power Cable (3-Socket MS26482 to Ring Terminals)*	2	A	2
Security Strap*		0	6
Security Strap and (1) Security Sleeve*		0	7
Security Strap and (2) Security Sleeves*		0	8
Security Strap and (3) Security Sleeves*		0	9
Security Strap and (4) Security Sleeves*	1	0	

### **Accessories (Shipped Separately)**

Security Sleeve (2" Diameter)*	9 2 5 0 0 1 1
Security Strap for 42-Pin SEL Multi-Recloser Interface and 32-Pin Tavrida OSM Control Cables*	9 2 5 0 8 2 7
Security Strap for 24-Pin ABB Control Cables*	9 2 5 0 8 2 8
Security Strap for 40-Pin Siemens SDR Control Cables*	9 2 5 0 8 2 9
Accessory Shelf (For Dual-Door Enclosure)*	9 2 5 0 5 5 0
Accessory Shelf (For Single-Door Enclosure)*	9 2 5 0 5 6 7
Voltage Input Fuse Block (For Dual-Door Enclosure)*	9 2 5 0 5 5 1
Voltage Input Fuse Block (For Single-Door Enclosure)*	9 2 5 0 5 6 8
Universal Fuse Block (For Dual-Door Enclosure)*	9 2 5 0 5 5 2
Universal Fuse Block (For Single-Door Enclosure)*	9 2 5 0 5 6 9
100 W Heater (For Dual-Door Enclosure)*	9 2 5 0 5 8 5
100 W Heater (For Single-Door Enclosure)*	9 2 5 0 8 3 1
120 Vac Transfer Switch (For Dual-Door Enclosure)*	9 2 5 0 5 5 3
120 Vac Transfer Switch (For Single-Door Enclosure)*	9 2 5 0 5 7 0
SEL-2401 Satellite-Synchronized Clock (For Dual-Door Enclosure) With Accessory Shelf*	9 2 5 0 5 9 3
SEL-2401 Satellite-Synchronized Clock (For Single-Door Enclosure) With Accessory Shelf*	9 2 5 0 5 9 5
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22) for Dual-Door Cabinet*	9 2 5 0 5 5 4
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22) for Single-Door Cabinet*	9 2 5 0 5 7 1
8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22) for Dual-Door Cabinet*	9 2 5 0 5 5 5
8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22) for Single-Door Cabinet*	9 2 5 0 5 7 2

3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) for Dual-Door Cabinet*	9 2 5 0 5 5 6
3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) for Single-Door Cabinet*	9 2 5 0 5 8 0
4-Position Pin Contact Receptacle for LEA Inputs (MS5015, Size 22) for Single-Door Cabinet*	9 2 5 0 6 9 1
4-Position Pin Contact Receptacle for LEA Inputs (MS5015, Size 22) for Dual-Door Cabinet*	9 2 5 0 6 9 2
8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12) for Dual-Door Cabinet*	9 2 5 0 5 5 7
8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12) for Single-Door Cabinet*	9 2 5 0 5 8 1
16 Ahr Replacement Battery Kit*	9 1 5 9 0 0 2 0 0
40 Ahr Replacement Battery Kit*	9 1 5 9 0 0 1 9 9
SEL-3061 Dual Antenna Kit for Recloser Controls (2 Antennas, 2 20' RG-8X Cables, and 1 Dual Antenna Mounting Bracket)*	9 1 5 9 0 0 5 2 6
SEL-C510 Control Cable (14-Socket MS5015 to 14-Pin MS5015) for Recloser*	C 5 1 0
SEL-C520 Control Cable (14-Socket MS5015 to 14-Pin MS5015) with Overmolding for Recloser*	C 5 2 0
SEL-C524 Control Cable (32-Socket MS26482 to 32-Pin MS26482) for Recloser*	C 5 2 4
SEL-C553 Control Cable (32-Socket MS26482 to 32-Socket MS26482) for Recloser*	C 5 5 3
SEL-C550 Control Cable (42-Socket Rectangular to 32-Socket MS26482) for Recloser*	C 5 5 0
SEL-C551 Control Cable (42-Socket Rectangular to 32-Pin MS26482) for Recloser*	C 5 5 1
SEL-C552 Control Cable (42-Socket Rectangular to 32-Pin MS26482) for Control Cable Extension*	C 5 5 2
SEL-C515 Low-Voltage Close Cable (2-Pin MS5015 to 2-Socket MS5015) for Recloser*	C 5 1 5
SEL-C517 Voltage Input Cable (8-Socket MS5015 to 8-Pin MS5015) for Recloser*	C 5 1 7

\* Additional Cost

(1) Download ACSELEATOR QuickSet SEL-5030 software for free at <https://www.selinc.com/software/solutions/>. QuickSet on CD (503001WX4) is available upon request.

(2) The Dual Door (side mount) enclosure dimensions are 24.5" W x 30" H x 16.6" D (11,200 in<sup>3</sup>). The Single Door (rear mount) enclosure dimensions are 17" W x 32.5" H x 14" D (7,700 in<sup>3</sup>). The SEL-651R enclosure includes doorstop(s), document holder, and padlockable handle(s).

(3) Refer to Low Energy Analog (LEA) voltage inputs in the installation section of the SEL-651R Instruction Manual for details.

(4) Only Available with Control Cable Interface Options 1, 4, or 6.

(5) Only Available with Control Cable Interface Options 8 or 9.

(6) Not Available with Control Cable Interface Options 3 or A.



- (7) For model numbers specifying "Configurable Labels," a configuration kit (9260011 or 9260021) is provided (packaged in the shipping box).
- (8) Installed Accessories are mounted and wired inside the SEL-651R enclosure. The compatibility of selected accessory combinations must be verified using the SEL online product configurator (website).
- (9) Available on AC Input Powered units only.
- (10) Requires at least one 10/100BASE-T Ethernet Port.
- (11) The SEL-651R cabinet solution including the pre-installed SEL-3061 is rated for -40° to +50°C. The SEL-3061 accessory includes two floor mounted N-type antenna surge arresters. It is pre-wired to both a Serial and an Ethernet port on the SEL-651R. External antennas and cables must be ordered separately. Refer to the SEL-3061 web page for cable and antenna options.
- (12) Not available with Extra I/O Option X.
- (13) Door switch is wired to SEL-3622 and SEL-651R IN104.
- (14) Only Available with Control Cable Interface Options 1 or 4.
- (15) Only Available with CCI Options 2 and A. Only Available with Enclosure Options C and D. Only Available with SIV Options A, B and G.
- (16) Only Available with CCI Options 2 and A. Only Available with Enclosure options C and D. Only Available with SIV options B and G.
- (17) The SEL-FR12 accessory includes a floor-mounted N-type antenna surge arrester. SEL-FT50 Fault Transmitters, an external antenna, and cable must be ordered separately. Refer to the SEL-FR12 web page for cable and antenna options.
- (18) The SEL-2401 comes with the 915900045 Antenna Kit.
- (19) Only Available with Control Cable Interface Options 1 or 6.

Note: The SEL-651R manual is available for download at [selinc.com](http://selinc.com). One complimentary printed instruction manual is available upon request with each product purchased.

***Making Electric Power Safer, More Reliable, and More Economical®***

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