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(1)

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(2)

Dual Door (Side Mount), Painted 5052 Marine Grade Aluminum With 3-Point Latches(3)								A														
Dual Door (Side Mount), Painted Type 304 Stainless Steel With 3-Point Latches*								B														
Single Door (Rear Mount), Painted 5052 Marine Grade Aluminum With 3-Point Latches(3)								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)(4) and (3) 300 Vac Max Inputs (VZ)										B												

(3) 8 Vac Max LEA Inputs (VY) and (3) 120 Vac, 1M Lindsey SVMI LEA Inputs (VZ)(4)										C												
(3) Eaton Nova LEA Inputs (VY) (4) and (3) 300 Vac Max Inputs (VZ)(5)										D												
(3) Eaton Nova LEA Inputs (VY) and (3) 120 Vac, 1M Lindsey SVMI LEA Inputs (VZ)(4)(5)										E												
(3) 300 Vac Max Inputs (VY) and (3) 120 Vac, 1M Lindsey SVMI LEA (VZ)(4) Inputs										F												
(6) 8 Vac Max LEA Inputs (Both VY and VZ)(4)										G												
(3) 300 Vac Max Inputs (VY) and (3) Siemens SDR LEA Inputs (VZ)(4)(6)										H												
(3) 120 Vac, 1M Lindsey SVMI LEA Inputs (VY) and (3) Siemens SDR LEA Inputs (VZ)(4)(6)										J												
(6) Siemens SDR LEA Inputs (Both VY and VZ)(4)(6)										K												

Secondary Input Current

1 A Phase, 0.2 A Neutral											A											
1 A Phase, 0.2 A Neutral With High-Impedance Fault Detection*											G											

Extra Inputs/Outputs

None(7)												X										
(7) 12 Vdc Inputs/(8) Standard Outputs*												8										
(2) 125 Vdc and (5) 12 Vdc Inputs/(8) Standard Outputs*												A										
(2) 48 Vdc and (5) 12 Vdc Inputs/(8) Standard Outputs*												B										
(2) 220 Vdc and (5) 12 Vdc Inputs/(8) Standard Outputs*												C										

Communications Port

3 EIA-232, USB													A									

Communications Interface

(1) 100BASE-FX, EIA-485*														D								
(2) 10/100BASE-T, EIA-485														E								
(2) 100BASE-FX, EIA-485*														F								
(1) 10/100BASE-T, (1) 100BASE-FX*														L								

Communications Protocol

Standard															1							
Standard Plus IEC 61850*															2							

Power Supply

120 Vac (Includes GFCI Outlet)																1						
230 Vac																2						
48 Vdc																4	X					

125 Vdc																3	X					

Battery Option

None																	X					
12 V, 16 Ahr																	1					
12 V, 40 Ahr*																	2					

User Interface

Configurable Labels(8)																		2				
Configurable Labels(8) and Tri-Colored LEDs*																		3				

Installed Accessories(9)

None																			X	X		
Accessory Shelf*																			1	0		
Voltage Input Fuse Block (Secondary Voltages)*																			1	1		
Universal Fuse Block (Incoming Power)*																			1	2		
AC Transfer Switch(10)*																			1	3		
100 W Heater(10)*																			1	4		
SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf(10)(19)*																			1	6		
SEL-2725 Ethernet Switch(2725D33XX) on Accessory Shelf(10)(11)*																			1	7		
SEL-3031 Serial Radio Transceiver (30310W01XXX) on Accessory Shelf(10)*																			1	8		
Two SEL-2812MR Transceivers (2812MRX0)*																			1	A		
SEL-3061 Cellular Router (3061#M47Q) on Accessory Shelf(10)(11)(12)*																			1	G		
Security Package 1: SEL-3622 Security Gateway (3622XDE00XX1) on Accessory Shelf and Door Switch(10)(11)(13)(14)*																			1	M		
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22)(20)*																			2	0		
8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22)*																			2	1		
4-Position Pin Contact Receptacle for LEA Inputs (MS5015, Size 22)(15)*																			2	2		
3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12)*																			3	0		
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22) and 8-Position Pin Contact Receptacle for Voltage Inputs (MS5105, Size 22)(10)(20)*																			A	0		

Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Input Power), AC Transfer Switch, 2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22), and 8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22)(20)*																1			A	1		
Accessory Shelf, Universal Fuse Block, and 2-Position Socket Contact Recepatacle for Low-Voltage Close/Heater (MS5015, Size 22)(10)(20)*																			A	3		
100 W Heater and 2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22)(10)(20)*																			A	4		
SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf and 2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22)(10)(19)(20)*																			A	5		
Accessory Shelf, Universal Fuse Block (Incoming Power), 100 W Heater, and 3-Position Pin Contact Receptacle for Input Power (MS5015, Size 22)(10)*							1												A	8		
Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Incoming Power), 100 W Heater, SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf, 2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22), and 8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22)(10)(19)(20)*																			A	9		
Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Input Power), AC Transfer Switch, 2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22), 8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22), and Door Switch Wired to IN101(20)*												8				1			A	A		
Accessory Shelf and Door Switch Wired to IN103(10)(13)*																			A	N		
AC Transfer Switch and Two 3-Position Pin Contact Receptacles for Input Power (MS26482, Size 12)*																1			B	0		
AC Transfer Switch, Two 3-Position Pin Contact Receptacles for Input Power (MS26482, Size 12), and 8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22)*																1			B	1		

Accessory Shelf, Universal Fuse Block (Input Power), and 3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12)*																			B	2		
Accessory Shelf, Universal Fuse Block (Input Power), 100 W Heater, and 3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12)(10)*																			B	3		
Accessory Shelf and 3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12)*																			B	4		
Accessory Shelf, Universal Fuse Block (Incoming Power), AC Transfer Switch, and two 3-Position Pin Contact Receptacles for Input Power (MS26482, Size 12)*																1			B	6		
Accessory Shelf, Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Incoming Power), AC Transfer Switch, 100 W Heater, and two 3-Position Pin Contact Receptacles for Input Power (MS26482, Size 12)*																1			B	7		
100 W Heater and 3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12)(10)*																			B	9		
AC Transfer Switch, SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf, and two 3-Position Pin Contact Receptacles for Input Power (MS26482, Size 12)(19)*																1			B	A		
8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12)*							4												C	3		
AC Transfer Switch, 8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12), and 5-Position Pin Contact Receptacle for AC Input (MS5015, Size 22)*							4									1			C	4		
3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) and 8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12)*							4												C	7		
Accessory Shelf and Voltage Input Fuse Block (Secondary Voltages)*																			D	2		
100 W Heater and SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf(10)(19)*																			D	3		
Accessory Shelf and 100 W Heater(10)*																			D	4		
Voltage Input Fuse Block (Secondary Voltages), 100 W Heater, and SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf(10)(19)*																			D	5		

Voltage Input Fuse Block (Secondary Voltages) and SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf(10)(19)*																			D	6		
AC Transfer Switch and 100 W Heater*																1			D	8		
SEL-2401 Satellite-Synchronized Clock (24010XXX0) and SEL-3031 Serial Radio Transceiver (30310W01XXX) on Accessory Shelf(10)(19)*																			D	9		
SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf and 3-Position Pin contact Receptacle for Input Power (MS26482, Size 12)(10)(19)*																			D	A		
Accessory Shelf and AC Transfer Switch*																1			D	C		
Accessory Shelf, Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Incoming Power), and 100 W Heater(10)*																			D	E		
100 W Heater, 3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) and FT-14 Test Switch(16)*																1			E	0		
3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) and FT-14 Test Switch (FT4A14T08CN4286)(17)*																			F	T		
Voltage Input Fuse Block (Secondary Voltages), Universal Fuse Block (Incoming Power), 100 W Heater, and SEL-2401 Satellite-Synchronized Clock (24010XXX0) on Accessory Shelf(10)(19)*																			G	5		
Accessory Shelf, 100 W Heater, and Door Switch Wired to IN104(10)(13)*																			L	1		
SEL-FR12 Fault Receiver (FR12-0001) on Accessory Shelf (10)(18)*																			L	3		
Accessory Shelf, 100 W Heater, AC Transfer Switch and 8-Position Pin Contact Receptacle for Input Power (MS5015 Size 22)*							2									1			M	7		

Bundled Accessories (Shipped in box with SEL-651R but not installed in enclosure)

None																					X	X
Security Sleeve (2" Diameter)*																					0	1
Two Security Sleeves (2" Diameter)*																					0	2
Three Security Sleeves (2" Diameter)*																					0	3
Four Security Sleeves (2" Diameter)*																					0	4
Five Security Sleeves (2" Diameter)*																					0	5

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)*	9250011
Security Strap for 42-Pin SEL Multi-Recloser Interface and 32-Pin Tavrida OSM Control Cables*	9250827
Security Strap for 24-Pin ABB Control Cables*	9250828
Security Strap for 40-Pin Siemens SDR Control Cables*	9250829
Accessory Shelf (For Dual-Door Enclosure)*	9250550
Accessory Shelf (For Single-Door Enclosure)*	9250567
Voltage Input Fuse Block (For Dual-Door Enclosure)*	9250551
Voltage Input Fuse Block (For Single-Door Enclosure)*	9250568
Universal Fuse Block (For Dual-Door Enclosure)*	9250552
Universal Fuse Block (For Single-Door Enclosure)*	9250569
100 W Heater (For Dual-Door Enclosure)*	9250585
100 W Heater (For Single-Door Enclosure)*	9250831
120 Vac Transfer Switch (For Dual-Door Enclosure)*	9250553
120 Vac Transfer Switch (For Single-Door Enclosure)*	9250570
SEL-2401 Satellite-Synchronized Clock (For Dual-Door Enclosure) With Accessory Shelf*	9250593
SEL-2401 Satellite-Synchronized Clock (For Single-Door Enclosure) With Accessory Shelf*	9250595
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22) for Dual-Door Cabinet*	9250554
2-Position Socket Contact Receptacle for Low-Voltage Close/Heater (MS5015, Size 22) for Single-Door Cabinet*	9250571
8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22) for Dual-Door Cabinet*	9250555
8-Position Pin Contact Receptacle for Voltage Inputs (MS5015, Size 22) for Single-Door Cabinet*	9250572

3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) for Dual-Door Cabinet*	9250556
3-Position Pin Contact Receptacle for Input Power (MS26482, Size 12) for Single-Door Cabinet*	9250580
4-Position Pin Contact Receptacle for LEA Inputs (MS5015, Size 22) for Single-Door Cabinet*	9250691
4-Position Pin Contact Receptacle for LEA Inputs (MS5015, Size 22) for Dual-Door Cabinet*	9250692
8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12) for Dual-Door Cabinet*	9250557
8-Position Pin Contact Receptacle for Voltage Inputs (MS26482, Size 12) for Single-Door Cabinet*	9250581
16 Ahr Replacement Battery Kit*	915900200
40 Ahr Replacement Battery Kit*	915900199
SEL-3061 Dual Antenna Kit for Recloser Controls (2 Antennas, 2 20' RG-8X Cables, and 1 Dual Antenna Mounting Bracket)*	915900526
SEL-C510 Control Cable (14-Socket MS5015 to 14-Pin MS5015) for Recloser*	C510
SEL-C520 Control Cable (14-Socket MS5015 to 14-Pin MS5015) with Overmolding for Recloser*	C520
SEL-C524 Control Cable (32-Socket MS26482 to 32-Pin MS26482) for Recloser*	C524
SEL-C553 Control Cable (32-Socket MS26482 to 32-Socket MS26482) for Recloser*	C553
SEL-C550 Control Cable (42-Socket Rectangular to 32-Socket MS26482) for Recloser*	C550
SEL-C551 Control Cable (42-Socket Rectangular to 32-Pin MS26482) for Recloser*	C551
SEL-C552 Control Cable (42-Socket Rectangular to 32-Pin MS26482) for Control Cable Extension*	C552
SEL-C515 Low-Voltage Close Cable (2-Pin MS5015 to 2-Socket MS5015) for Recloser*	C515
SEL-C517 Voltage Input Cable (8-Socket MS5015 to 8-Pin MS5015) for Recloser*	C517

* Additional Cost

(1) Download acSELerator QuickSet SEL-5030 software for free at https://www.selinc.com/softwaresolutions/. QuickSet on CD (503001WX4) is available upon request.
(2) The SEL-651R enclosure includes doorstop(s), document holder, and padlockable handle(s).
(3) Units ordered with Enclosure option 'A' prior to January 1, 2026 are constructed of painted steel. Those ordered on January 1, 2026 or later are constructed of painted 5052 marine grade aluminum.
Units ordered with Enclosure option 'C' prior to January 15, 2026 are constructed of painted steel. Those ordered on January 15, 2026 or later are constructed of painted 5052 marine grade aluminum.
(4) Refer to Low Energy Analog (LEA) voltage inputs in the installation section of the SEL-651R Instruction Manual for details.
(5) Only Available with Control Cable Interface Options 1, 4, or 6.

(6) Only Available with Control Cable Interface Options 8 or 9.
(7) Not Available with Control Cable Interface Options 3 or A.
(8) For model numbers specifying "Configurable Labels," a configuration kit (9260011 or 9260021) is provided (packaged in the shipping box).
(9) 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).
(10) Available on AC Input Powered units only.
(11) Requires at least one 10/100BASE-T Ethernet Port.
(12) 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.
(13) Not available with Extra I/O Option X.
(14) Door switch is wired to SEL-3622 and SEL-651R IN104.
(15) Only Available with Control Cable Interface Options 1 or 4.
(16) 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.
(17) Only Available with CCI Options 2 and A. Only Available with Enclosure options C and D. Only Available with SIV options B and G.
(18) 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.
(19) The SEL-2401 comes with the 915900045 Antenna Kit.
(20) Only Available with Control Cable Interface Options 1 or 6.

Note: The SEL-651R manual is available for download at 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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