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8755 W. Higgins Road
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www.littelfuse.com

December 3, 2014

RE: Changes to SE-330 Series Neutral-Grounding-Resistor Monitors

Dear Valued Customer,

This letter is an update to the PCN (March 31, 2014) for the SE-330, SE-330HV, and SE-330AU Series NGR Monitors. New revisions of each series include:

- 100-event data log with time-and-date stamp, replacing 10-event non-time-stamped data logger
- A mini-USB interface replacing the existing RS-232 DB9 serial-communications interface
- A microSD™ card slot to increase data-storage and firmware-update capabilities
 - A microSD™ card is included
- Programmable ground-fault pickup setting to extend the previous setting range
- Selectable fail-safe or non-fail-safe indication-relay operating modes
- New Ethernet communication options:
 - IEC 61850 protocol support (substation communication protocol)
 - Dual ports with two IP addresses
 - Wired or fiber connections
- SE-330-SMA Surface-Mount Adapter will be an ordering option, no longer included with the SE-330 and SE-330HV Series (SE-330AU models did not include the adapter)

The new SE-330 faceplate is shown in Fig. 1 and ordering information is shown in Fig. 2.

All Profibus models will be discontinued when component inventory is depleted, with an expected September 2016 obsolescence date. See Table 4.

All order options include CE and C-Tick certifications. SE-330 and SE-330HV series also include CSA and UL certifications.

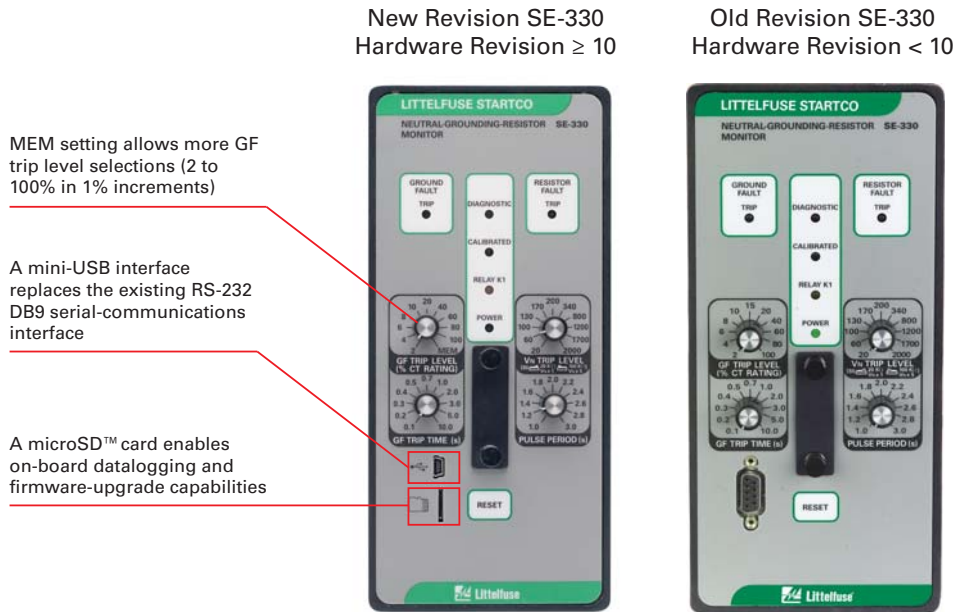


Figure 1. New and Old SE-330 Faceplates.

- SE-330-
SE-330AU-
SE-330HV-
- K4 Contact:
 - 0 N.O. UNIT HEALTHY Contact
 - 1 N.C. UNIT HEALTHY Contact
 - Options:⁽¹⁾
 - 0 No Options
 - Network Communications:⁽²⁾
 - 0 None
 - 1 DeviceNet™
 - 3 Ethernet (Dual RJ45)
 - 4 Ethernet (SC Fiber & RJ45)
 - 5 Ethernet (Dual SC Fiber)
 - 6 IEC 61850 (Dual RJ45)
 - 7 IEC 61850 (SC Fiber & RJ45)
 - 8 IEC 61850 (Dual SC Fiber)
 - Supply:
 - 0 Universal ac/dc Supply
 - 2 48 Vdc Supply

⁽¹⁾ Option 1 (CE and C-Tick compliance) has been removed. All order options now include this compliance. See the specific product manual for details.

⁽²⁾ Profibus models only available on legacy SE-330.

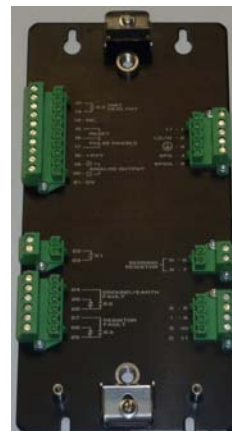


Figure 3. SE-330-SMA Surface Mount Adapter (Now an Optional Component).

Figure 2. SE-330 Ordering Information.



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Table 1: SE-330-Series Expected Release Dates

Part Number	Description	Expected Date
TRANSITION TO NEW REVISION (REV. 10 OR NEWER) BY EXPECTED DATE		
SE-330-00-00	NGR Monitor (Universal)	Released
SE-330-00-01	NGR Monitor (Universal, K4 NC)	Released
SE-330-01-00	NGR Monitor (Universal, DeviceNet)	Released
SE-330-01-01	NGR Monitor (Universal, DeviceNet, K4 NC)	Released
SE-330-03-00	NGR Monitor (Universal, Ethernet Dual RJ45)	Released
SE-330-03-01	NGR Monitor (Universal, Ethernet Dual RJ45, K4 NC)	Released
SE-330-20-00	NGR Monitor (48Vdc)	Released
SE-330-20-01	NGR Monitor (48Vdc, K4 NC)	Released
SE-330-21-00	NGR Monitor (48Vdc, DeviceNet)	Released
SE-330-21-01	NGR Monitor (48Vdc, DeviceNet, K4 NC)	Released
SE-330-23-00	NGR Monitor (48Vdc, Ethernet Dual RJ45)	Released
SE-330-23-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, K4 NC)	Released
SE-330-xx-1x	CE & C-Tick Compliance	Option Removed
NEW ORDER OPTIONS		
SE-330-04-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45)	Released
SE-330-04-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330-05-00	NGR Monitor (Universal, Ethernet Dual SC Fiber)	Released
SE-330-05-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330-06-00	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850)	Released
SE-330-06-01	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330-07-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330-07-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330-08-00	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330-08-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released
SE-330-24-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45)	Released
SE-330-24-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330-25-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber)	Released
SE-330-25-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330-26-00	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850)	Released
SE-330-26-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330-27-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330-27-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330-28-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330-28-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released



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Table 2: SE-330HV-Series Expected Release Dates

Part Number	Description	Expected Date
TRANSITION TO NEW REVISION (REV. 10 OR NEWER) BY EXPECTED DATE		
SE-330HV-00-00	NGR Monitor (Universal)	Released
SE-330HV-00-01	NGR Monitor (Universal, K4 NC)	Released
SE-330HV-01-00	NGR Monitor (Universal, DeviceNet)	Released
SE-330HV-01-01	NGR Monitor (Universal, DeviceNet, K4 NC)	Released
SE-330HV-03-00	NGR Monitor (Universal, Ethernet Dual RJ45)	Released
SE-330HV-03-01	NGR Monitor (Universal, Ethernet Dual RJ45, K4 NC)	Released
SE-330HV-20-00	NGR Monitor (48Vdc)	Released
SE-330HV-20-01	NGR Monitor (48Vdc, K4 NC)	Released
SE-330HV-21-00	NGR Monitor (48Vdc, DeviceNet)	Released
SE-330HV-21-01	NGR Monitor (48Vdc, DeviceNet, K4 NC)	Released
SE-330HV-23-00	NGR Monitor (48Vdc, Ethernet Dual RJ45)	Released
SE-330HV-23-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, K4 NC)	Released
SE-330HV-xx-1x	CE & C-Tick Compliance	Option Removed
NEW ORDER OPTIONS		
SE-330HV-04-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45)	Released
SE-330HV-04-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330HV-05-00	NGR Monitor (Universal, Ethernet Dual SC Fiber)	Released
SE-330HV-05-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330HV-06-00	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850)	Released
SE-330HV-06-01	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330HV-07-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330HV-07-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330HV-08-00	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330HV-08-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released
SE-330HV-24-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45)	Released
SE-330HV-24-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330HV-25-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber)	Released
SE-330HV-25-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330HV-26-00	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850)	Released
SE-330HV-26-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330HV-27-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330HV-27-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330HV-28-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330HV-28-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released



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Table 3: SE-330AU-Series Expected Release Dates

Part Number	Description	Expected Date
TRANSITION TO NEW REVISION (REV. 10 OR NEWER) BY EXPECTED DATE		
SE-330AU-00-00	NGR Monitor (Universal)	Released
SE-330AU-00-01	NGR Monitor (Universal, K4 NC)	Released
SE-330AU-01-00	NGR Monitor (Universal, DeviceNet)	Released
SE-330AU-01-01	NGR Monitor (Universal, DeviceNet, K4 NC)	Released
SE-330AU-03-00	NGR Monitor (Universal, Ethernet Dual RJ45)	Released
SE-330AU-03-01	NGR Monitor (Universal, Ethernet Dual RJ45, K4 NC)	Released
SE-330AU-20-00	NGR Monitor (48Vdc)	Released
SE-330AU-20-01	NGR Monitor (48Vdc, K4 NC)	Released
SE-330AU-21-00	NGR Monitor (48Vdc, DeviceNet)	Released
SE-330AU-21-01	NGR Monitor (48Vdc, DeviceNet, K4 NC)	Released
SE-330AU-23-00	NGR Monitor (48Vdc, Ethernet Dual RJ45)	Released
SE-330AU-23-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, K4 NC)	Released
NEW ORDER OPTIONS		
SE-330AU-04-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45)	Released
SE-330AU-04-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330AU-05-00	NGR Monitor (Universal, Ethernet Dual SC Fiber)	Released
SE-330AU-05-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330AU-06-00	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850)	Released
SE-330AU-06-01	NGR Monitor (Universal, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330AU-07-00	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330AU-07-01	NGR Monitor (Universal, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330AU-08-00	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330AU-08-01	NGR Monitor (Universal, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released
SE-330AU-24-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45)	Released
SE-330AU-24-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, K4 NC)	Released
SE-330AU-25-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber)	Released
SE-330AU-25-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, K4 NC)	Released
SE-330AU-26-00	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850)	Released
SE-330AU-26-01	NGR Monitor (48Vdc, Ethernet Dual RJ45, IEC 61850, K4 NC)	Released
SE-330AU-27-00	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850)	Released
SE-330AU-27-01	NGR Monitor (48Vdc, Ethernet SC Fiber and RJ45, IEC 61850, K4 NC)	Released
SE-330AU-28-00	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850)	Released
SE-330AU-28-01	NGR Monitor (48Vdc, Ethernet Dual SC Fiber, IEC 61850, K4 NC)	Released



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Table 4: Discontinued Part Numbers

Part Number	Description	Expected Discontinued Date
SE-330-02-00	NGR Monitor (Universal, Profibus)	September 2016
SE-330-02-01	NGR Monitor (Universal, Profibus, K4 NC)	September 2016
SE-330-22-00	NGR Monitor (48Vdc, Profibus)	September 2016
SE-330-22-01	NGR Monitor (48Vdc, Profibus, K4 NC)	September 2016
SE-330HV-02-00	NGR Monitor (Universal, Profibus)	September 2016
SE-330HV-02-01	NGR Monitor (Universal, Profibus, K4 NC)	September 2016
SE-330HV-22-00	NGR Monitor (48Vdc, Profibus)	September 2016
SE-330HV-22-01	NGR Monitor (48Vdc, Profibus, K4 NC)	September 2016
SE-330AU-02-00	NGR Monitor (Universal, Profibus)	September 2016
SE-330AU-02-01	NGR Monitor (Universal, Profibus, K4 NC)	September 2016
SE-330AU-22-00	NGR Monitor (48Vdc, Profibus)	September 2016
SE-330AU-22-01	NGR Monitor (48Vdc, Profibus, K4 NC)	September 2016

Please feel free to contact me if you have any questions.

Sincerely,

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