



NO: PH-107 PRODUCT: E3X-A/F/H/VG Fiber Amps
 DATE: September 2006 TYPE: Discontinuation Notice

Revised Schedule for Discontinuation of E3X-A/F/VG Series Fiber-Optic Sensor Amplifiers

Effective September 30, 2006, the following E3X fiber-optic amps will be discontinued:

E3X-F21 E3X-F51
 E3X-VG11 E3X-VG21

All other E3X-A fiber-optic amps will be discontinued **March 31, 2007** as originally advised. The suggested replacement will be RoHS-compliant E3X-NA/F/G/V Series and E3X-DA-S Series amplifiers. There are minor differences in size, specifications and operating features among the series to consider in converting customers.

Discontinued Models & Replacements

Discontinued part number	Power/Cable length	Replacement part number: Pre-wired	Power/Cable length	Replacement part number: Connector	Connector cable
E3X-A11	DC12-24 / 2M	E3X-NA11	DC12-24 / 2M	E3X-NA6	E3X-CN11/12
E3X-A41	DC12-24 / 2M	E3X-NA41	DC12-24 / 2M	E3X-NA8	E3X-CN11/12
E3X-A21	DC12-24 / 2M	E3X-NA21 2M	DC12-24 / 2M	E3X-DA6-TWS	E3X-CN21/22
E3X-A51	DC12-24 / 2M	E3X-NA51 2M	DC12-24 / 2M	E3X-DA8-TWS	E3X-CN21/22
E3X-F21	DC12-24 / 2M	E3X-NA11F	DC12-24 / 2M	None	None
E3X-F51	DC12-24 / 2M	E3X-NA41F	DC12-24 / 2M	None	None
E3X-H11	DC12-24 / 2M	E3X-NA11	DC12-24 / 2M	E3X-NA6	E3X-CN11/12
E3X-VG11	DC12-24 / 2M	E3X-NAG11	DC12-24 / 2M	E3X-DAG6-S	E3X-CN11/12
E3X-VG21	DC12-24 / 2M	None	DC12-24 / 2M	None	None

Key Feature Differences

For new and existing applications, compare specifications and features using the data sheets for the E3X-A/F/VG and the E3X-NA/F/G/V series to determine compatibility. In some cases, the e3X-DA-S series models may be a more suitable replacement.

- The **key difference** between the original E3X-A/F/VG series and Omron's E3X-NA/F/G/V series is the **LED bar display**, used to quickly confirm sensor performance.
- The diagnostic (alarm) output on models E3X-A21/-A51, E3X-F21/-F51 and E3X-VG21 is not available on the E3X-NA series, but is available on the E3X-DA-TWS series.
- The OFF-delay timer found on the E3X-A21, E3X-A51, E3X-F21, E3X-F51 and E3X-VG21 is adjustable 0.01 to 0.1 s. The OFF-delay timer found on all E3X-NA series is fixed at 40 ms.
- High-speed models (E3X-NAF) have a response time of 50 microseconds; discontinued E3X-F has a 20 microseconds response time.

Additional E3X-NA Features and Benefits

- Streamlined features allow basic sensing immediately after plug-in.
- **Optical Communication Design** prevents mutual interference for up to 5 amplifiers to minimize space requirements.
- Master/slave connector design affords connectivity for up to 16 amplifiers.
- Green LED models (E3X-NAG) address mark-detecting applications.
- If your customer's application requires an IP66 rating, select a water-resistant model (E3X-NAV) using an M8 connector, or pre-wired water-resistant models.