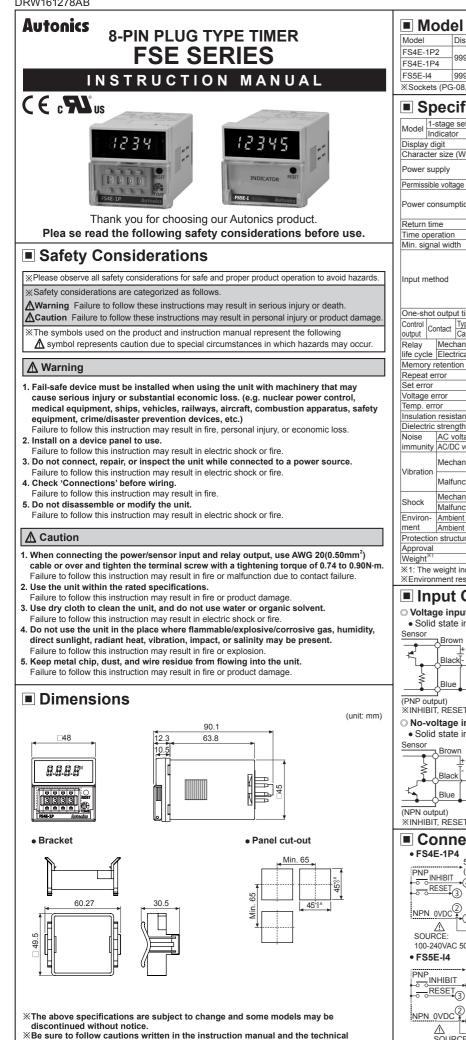
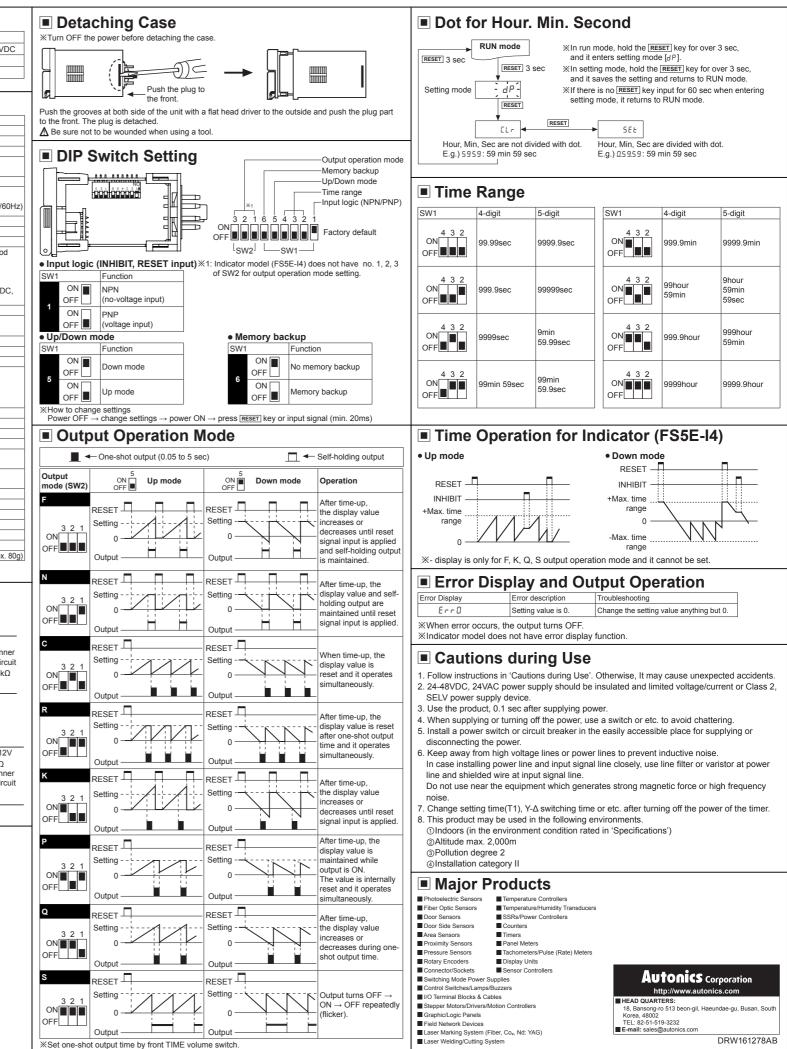
DRW161278AB



Display digit Size Power supply Output FS4E-1P2 24VAC 50/60Hz, 24-48VDC 9999 (4-digit) -stage setting FS4E-1P4 DIN W48×H48mm 100-240VAC 50/60Hz FS5E-I4 99999 (5-digit) 100-240VAC 50/60Hz Indicato *Sockets (PG-08, PS-08(N)) are sold separately Specifications Model 1-stage setting FS4E-1P2 FS4E-1P4 FS5E-I4 Indicator Display digit 5-digit 4×8mn Character size (W×H) 3.8×7.6mm 24VAC~ 50/60Hz Power supply 100-240VAC~ 50/60Hz 24-48VDC= Permissible voltage range 90 to 110% of rated voltage Max. 3.5VA Max. 4.6VA Max, 3.8VA (24VAC~ 50/60Hz), Power consumption (100-240VAC~ 50/60Hz) (100-240VAC~ 50/60Hz) Max. 2.3W (24-48VDC= Return time Max. 500ms Power ON Start Time operation Min. signal width RESET, INHIBIT: approx. 20ms Selectable voltage input (PNP) method or no-voltage input (NPN) method [Voltage input (PNP) method]-input impedance: max. 10.8k Ω , [H]: 5-30VDC==, [L]: 0-2VDC nput method [No-voltage input (NPN) method]-short-circuit impedance: max. 470Ω, short-circuit residual voltage: max. 1VDC, open-circuit impedance: min. 100kΩ One-shot output time 0.05 to 5 sec Control Contact Type Time-limit SPDT (1c) Output Contact Capacity 250VAC~ 3A resistive load Mechanical Min. 5,000,000 operations Min. 100,000 operations (250VAC 3A resistive load) life cvcle Electrical Memory retention Approx. 10 years (non-volatile memory) Repeat error Set error Max. ±0.01% ±0.05 sec Voltage error Temp. error ulation resistance Over 100MΩ (at 500VDC megger) Dielectric strength 2.000VAC 50/60Hz for 1 min (between all terminals and case) AC voltage ±2kV the square wave noise (pulse width 1µs) by noise simulator immunity AC/DC voltage ±500V the square wave noise (pulse width 1µs) by noise simulato 0.75mm amplitude at frequency 10 to 55Hz (for 1 min) in each X, Y, Z Mechanical direction for 1 hour Vibration 0.5mm amplitude at frequency 10 to 55Hz (for 1 min) in each X, Y, Z Malfunction direction for 10 minutes Mechanical 300m/s² (approx. 30G) in each X, Y, Z direction for 3 times Malfunction 100m/s² (approx. 10G) in each X, Y, Z direction for 3 times Environ-Ambient temp. -10 to 55°C, storage: -25 to 65°C ment Ambient humi. 35 to 85%RH, storage: 35 to 85%RH Protection structure IP20 (front part, IEC standard) (€ c**¶U**us Approval Approx. 130g (approx. 90g) Approx. 120g (approx. 80g) %1: The weight includes packaging. The weight in parenthesis is for unit only. %Environment resistance is rated at no freezing or condensation. Input Connection O Voltage input (PNP) • Solid state input (standard sensor: PNP output type sensor) • Contact input Timer Sensor Timer Timer → Inner circuit Inner Inner t circuit **≩** 10.8kΩ ≩10.8kΩ ≨10.8kΩ Blue ----- 0V — 0V -OV (PNP output) XINHIBIT, RESET input part (PNP open collector output) O No-voltage input (NPN) Solid state input (standard sensor: NPN output type sensor) Contact input Timer Timer Sensor Timer Brown —+12V ----+12V ----+12V | ≩^{5.4kΩ} ≰5.4kΩ ≨5.4kΩ Black Inner circuit circuit Blue -0V -0V -0V (NPN output) (NPN open collector output) XINHIBIT, RESET input part Connections • FS4E-1P4 5-30VDC • FS4E-1P2 5-30VDC PNP INP (external power) INHIBIT (CARCA (external power) RESET 3 _@⊸ _ _____ SOURCE: 250VAC 3A RESISTIVE 250VAC 3A RESISTIVE 100-240VAC 50/60Hz 4.6VA LOAD 24VAC 50/60Hz 3 5VA • FS5E-l4 24-48VDC 2.3W 5-30VDC (external power) PNP $\begin{array}{c} 1 \\ 1 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \end{array} \begin{array}{c} 1 \\ \hline 0 \\ \hline \end{array} \end{array} \end{array}$ NPN 0VDC 0 0

100-240VAC 50/60Hz 3.8VA



descriptions (catalog, homepage).

r Display	Error description	Troubleshooting
ErrO	Setting value is 0.	Change the setting value anything but 0.

- Laser Welding/Cutting System

DRW161278AB