# MODEL E58-CIFIR

OMRO

English				
Linglish				
Thank you for pur the information su for using the E58- For using this proc	chasing this E58-CIFIR. This INSTI ch as function, performance, and h CIFIR. Juct, please follow keep the precau	RUCTION MANUAL describes now to use the product required utions as shown in the following:		
<ul> <li>Please operat how.</li> </ul>	e this product by the qualified spec	cialist naving the electrical know		
<ul> <li>Read this instruction</li> <li>enough under</li> <li>Keep this instruction.</li> </ul>	ruction manual with enough, and us standing. ruction manual close at hand and u	se the product correctly with use it for reference during opera-		
© All Rights Re	corporation	Rev.C		
	Safety Precaution	ons		
Key to Warning	Symbols			
	Indicates a potentially hazardous may result in minor or moderate	s situation which, if not avoided, injury or in property damage.		
warning Symbo				
Do not leave the cal may occur due to no	ble connected to the Digital Control bise in the USB-Indrared Conversio	ller. Malfunction on Cable.		
Do not use any devi Minor electric shock	ices or cables that show signs of date or fire may occasionally occur.	amage.		
Never disassemble, ternal parts.	, modify, or repair the product or to	ouch any of the in-		
Minor electric shock	, fire, or malfunction may occasion	ally occur.		
Do not allow metal p port. Minor electric s	particles or wires to enter USB con shock, fire, or malfunction may occa	nector and Infrared asionally occur.		
Keep the USB connec	tor pins free of dust and dirt. Fire may	occasionally occur.		
	Precautions for Safe	ty Use		
<ul> <li>the connector if i</li> <li>2) Do not place ob USB-Infrared Cc beyond their nat</li> <li>3) Do not connect cc tions. Doing so v</li> <li>4) Allow as much si a powerful high-f</li> <li>5) Use this product</li> <li>5) When connecting insert it to the sp is not connected</li> <li>7) Confirm that the ly. Operating cor deteriorate faster inspections and</li> </ul>	t cannot be inserted easily. Doing s jects on top of the USB-Infrared C inversion Cables, or bend the USB ural bending limit. or disconnect USB-Infrared Conversivill pace as possible between the conti requency or surge. within the rated load and power su g the infrared port, be sure the conti ecified line. Communications may r properly. indicators on USB-Infrared Conver indicitons may cause the USB connect r than normal, preventing proper co replacements.	so may result in damage. Conversion Cables, pull on the B-Infrared Conversion Cables sion Cables during communica- roller and devices that generate upply. nector is in the right direction and not be possible if the connector sion Cable are operating proper- ctor, infrared port, or cables to ommunications. Perform periodic		
	Precautions for Corre	ect Use		
Do not use this p Places directly si Places subject to Places subject to Places subject to Places subject to Places subject to Places subject to Places near devi	product in the following places. ubject to heat radiated from heating pashing liquid or oil atmosphere b strong light, such as direct sunligh nt. b dust or corrosive gas (in particular b intense temperature change. b cing and condensation. b vibration and large shocks. ces that emit infrared light, such as	g equipment. nt, fluorescent light, or r, sulfide gas and ammonia gas). s remote controls or monitors.		
<ol> <li>Use/store within</li> <li>Do not connect of time. The person</li> </ol>	the rated temperature and humidity or disconnect the USB connectors r al computer may malfunction.	y ranges. repeatedly over a short period of		
<ol> <li>After connecting number before s recognize the US indicate failure</li> </ol>	After connecting the USB connector to the personal computer, check the COM port number before starting communications. The personal computer requires time to recognize the USB-Infrared Conversion Cable connection. This delay does not indicate failure.			
<li>Do not connect t frared Conversion</li>	he USB cable through a USB hub. n Cable.	Doing so may damage USB-In-		
b) Do not use an ex the personal con	tension cord to extend the USB ca	ble length when connecting to		
2) Confirm that the surface of the infrared port is not dirty. If it is dirty, wipe it off with a soft dry cloth. Do not use thinners or other organic solvents.				
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Specifications				
Compatible Operating Systems Compatible Software Applications Compatible models	Windows XP/Vista/7/8 CX-Thermo Ver.4.00 or later The following OMRON Digital Controllers, which support the compatible software : E5AN/E5EN-H -series			
USB Interface rating DTE speed Connector specifications Power supply Power supply voltage	Conforms to USB Specification 2.0 38400 bps Personal computer : USB (type A plug) Temperature Controller : Serial Bus power (supplied from USB host controller) DC 5V			
Current consumption Ambient temperature Ambient humidity Storage temperature Storage humidity Altitude Weight	0 to 55 ℃ (Avoid freezing or condensation) RH10 to 80 % -20 to 60 ℃ (Avoid freezing or condensation) RH10 to 80 % Max.2,000 m Approx.130 g			

#### **System Requirements**

The personal computer must have the following requirements. • USB Port • Windows XP/Vista/7/8

# Appearance and Component Names –



Main unit
 Instruction manual
 Mounting adapter

## Usage Methods -

Use the following procedure to connect the Digital Controller to the personal computer using the E58-CIFIR USB-Infrared Conversion Cable. The E58-CIFIR is used for communications with the COM port of the personal computer. To perform communications using the E58-CIFIR, set the communications port (COM port) number used by the software to the communications port (COM port) number that has been assigned to the E58-CIFIR USB-Infrared Conversion Cable. The communications specifications of the indrared port are given below. These cannot be changed. Set the communications settings of the Setting Tool, such as the CX-Thermo, to the same values.

Settings	Details
Comunication unit NO.	01
Boud Rate	38.4(kbit/s)
Data Length	7(bit)
Stop Bits	2(bit)
Parity	even

#### 1. Connecting the Computer and USB-Infrared Conversion Cable

Connect the USB-Infrared Conversion Cable to the USB port on the computer.

#### 2. Obtaining the Driver

When the CX-Thermo Support Software for the Temperature Controller is installed, the driver for the USB-Serial Conversion Cable will be copied to the following folder. C:\Program Files\OMRON\Drivers\USB\E58-CIF

Note : CX-Thermo can also be downloaded from the following OMRON website. The driver is included in CX-Thermo. http://www.omron-compo.com/tm2/

#### 3. Installing the Driver

Install the driver to enable using the E58-CIFIR USB-Infrared Conversion Cable with the personal computer.

#### Installation

When the cable is connected to the personal computer, the operating system will detect the E58-CIFIR as a new device. Install the driver according to the prompts from the installation wizard.

- Note1: OMRON recommends installing the driver separately for each USB port when using the E58-CIFIR for the first time. The E58-CIFIR will be assigned a COM port number for each USB port of the personal computer. The same COM port number can be used even if a different cable is connected to the USB port.
- Note2 : If installation is cancelled before it has been completed, the driver will not be completely installed, which will result in abnormal communications. If this occurs, uninstall the driver and then reinstall the driver correctly



Using Windows Vista				
)	Insert the E58-CIFIR USB-Infrared Conversion Cable into the USB port of the personal computer. The "Found New Hardware" Dialog Box will be displayed. Select Locate and install driver software (recommended).	found then frankname      Workdows needs to install driver software for your OMRON  US-GFIR      Control that driver software (recommended)      Wreave any new tweepher process of national drive preference      And many new tweepher process of national drive preference      And many new tweepher process of national drive preference      Control that that that the process of national drive preference      And many new tweepher process of national drive preference      Control that that that the process of preference      Control that that the process of national drive preference      Control that that the process of preference      Control that that the process of preference      Control that the preference of the inductor      For decense and the matching works on the decine      Control that that the preference of the inductor      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine      For decense and the matching works on the decine		
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12) After installation has been completed, the COM port number will be a assigned. For details on checking the assigned COM port number, re Confirming Automatically Assigned COM Port Number.	omatically r to 1) Connect the USB-Infrared Conversion Cable	ws 8 to the USB port on the personal	4. Installing the Digital Controller and Enabling Infrared Communications Place the Digital Controller to the control panel and install each wiring. Turn on the power of the Digital Controller. Set the Infrared Communication Use parameter in the
Using Windows 7	2) Click the folder icon on the bottom loft of corr	en under the all folders closed	
<ol> <li>Connect the USB-Infrared Conversion Cable to the USB port on the p computer.</li> </ol>	rsonal (2) Click the holder for the bottom left of sche Select Computer - System Properties to st Note : If using keyboard, the menu is display down Windows key.	art up the <b>Device Manager</b> . ed by pressing <b>X</b> key while holding	
2) Select Computer - System Properties - Device Manager.	3) Right-click E58-CIFIR in Other Devices	🛔 Device Manager - 🗆 💌	
3) Right-click E58-CIFIR in Other Devices and select Update Driver Software.	and select Update Driver Software.	File Action View Help (m = 0) [11] [12] [13] [13]	
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<ul> <li>(a) In the opposed billion Software Dialog BOX, select Browse my computer for driver software.</li> <li>(b) I the between the data the data and the data and</li></ul>	select Browse my computer for driver software.	There dir pays want its search for a datase software?     South a saturated by for splacet go for software?     south a software is the data by the data by the software is the data by the d	Mounting Adapter
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8) Right-click <b>USB Serial Port</b> in Other Devices in the "Device Manager" Dialog Box and select <b>Update Driver Software</b> .	<ul> <li>8) Right-click USB Serial Port in Other Devices in the "Device Manager" Dialog Box and select Update Driver Software.</li> </ul>	Device Manager - File Action Ver- Holp (m m) Dia 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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C:\Program Files\OMRON\Drivers\USB\ E58-CIF, and then click the Next Button.	C:\Program Files\OMRON\Drivers\USB\ E58-CIF, and then click the Next Button.	Sama Dir di dana subsesso en proce computor Santo fa sen advers solo subse E dengan funz diffetto banelli (E de 2017) 2 de da da datas	Click the folder icon on the bottom left of screen under the all folders closed Select <b>Computer - System Properties</b> to start up the <b>Device Manager</b> . Note : If using keyboard, the menu is displayed by pressing <b>X</b> key while holding down <b>Windows</b> key.
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			■Uninstalling the Driver
13) When the installation is finished, a COM port number will be allocated	automatically. [13) When the installation is finished, a COM port	number will be allocated automatically	
To see that COM port number has been allocated, use <b>Confirming A</b> Assigned COM Port Numbers.	tomatically To see that COM port number has been allow Assigned COM Port Numbers.	ated, use Confirming Automatically	1) Double-click FTClean.exe to start "FTDI Clean Utility V1.0". FTClean.exe is included in the E58-CIF driver.



### Suitability for Use

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of the products in the customer's application or use of the product.

Take all necessary steps to determine the suitability of the product for the systems, machines, and equipment with which it will be used. Know and observe all prohibitions of use applicable to this product.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PROD-UCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

See also Product catalog for Warranty and Limitation of Liability.

OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 JD Hoofddorp The Netherlands Phone 31-2356-81-380 FAX 31-2356-81-380 OMRON ELECTRONICS LLC One Commerce Drive Schaumburg, IL 60173-5302 U.S.A Phone 1-847-843-7900 FAX 1-847-843-7787 OMRON ASIA PACIFIC PTE. LTD. No. 438A Alexandra Road # 05-05/08 (Lobby 2), Alexandra Technopark, Singapore 119967 Phone 65-6835-3011 FAX 65-6835-2711

OMRON Corporation Shiokoji Horikawa, Shimogyo-ku, Kyoto 600-8530 JAPAN