

Code Reader FQ-CR

CSM_FQ-CR_DS_E_1_1

Read Barcodes or 2D Codes from everything from paper labels to metal, plastic, or glass surfaces.

- Read direct markings.
- Stably read codes from moving objects over a wide field of view.
- Optimum settings in only three steps.



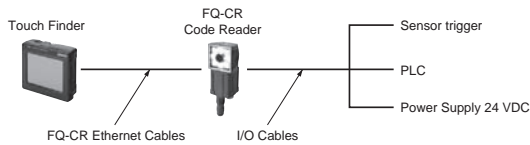
⚠ Be sure to read "Safety Precautions" on page 5.

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

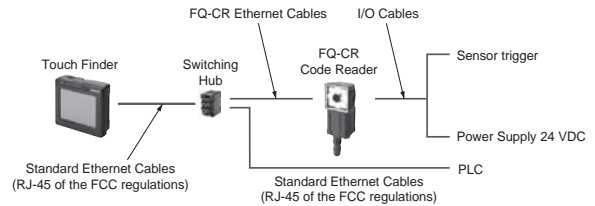
System Configuration

Connections for One Code Reader

Control by parallel input/output

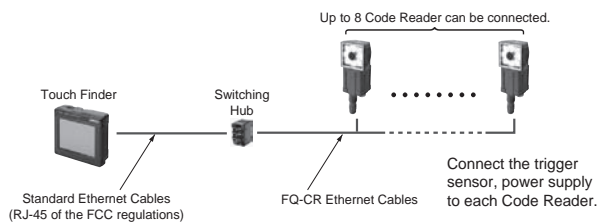


Control by Ethernet

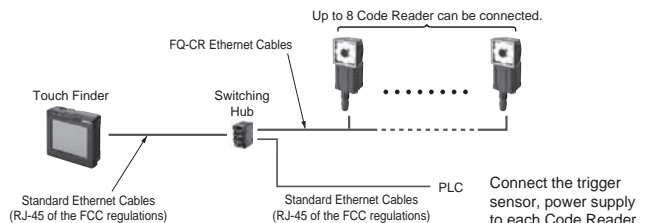


Connections for Multiple Code Reader

Control by parallel input/output



Control by Ethernet

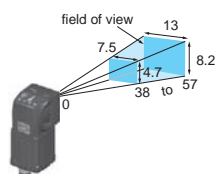


Note: If you register as a member after purchasing a Code Reader, you can download the free set-up software that runs on a PC and can be used in place of the Touch Finder. Refer to the member registration sheet for details.

Ordering Information

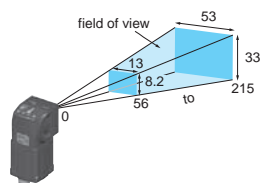
Code Reader

Narrow View



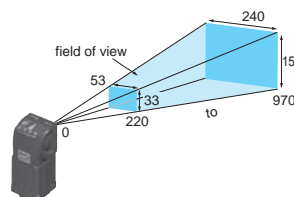
	2D Code Reader	Multi Code Reader
NPN	FQ-CR20010F-M	FQ-CR10010F-M
PNP	FQ-CR25010F-M	FQ-CR15010F-M

Standard



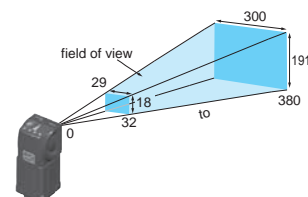
	2D Code Reader	Multi Code Reader
NPN	FQ-CR20050F-M	FQ-CR10050F-M
PNP	FQ-CR25050F-M	FQ-CR15050F-M

Wide View
(Long-distance)



	2D Code Reader	Multi Code Reader
NPN	FQ-CR20100F-M	FQ-CR10100F-M
PNP	FQ-CR25100F-M	FQ-CR15100F-M

(Short-distance)



	2D Code Reader	Multi Code Reader
NPN	FQ-CR20100N-M	FQ-CR10100N-M
PNP	FQ-CR25100N-M	FQ-CR15100N-M

Note: Tolerance (field of view): ±10% max.

Touch Finder

Type	Model
DC power supply	FQ2-D30
AC/DC/battery	FQ2-D31 (See note.)

Note: AC Adapter and Battery are sold separately.

Cables (Robot cable)

Type	Cable length	Model
FQ Ethernet Cables (connect Code Reader to Touch Finder, Code Reader to PC)	2 m	FQ-WN002
	10 m	FQ-WN010
	20 m	FQ-WN020
I/O Cables	2 m	FQ-WD002
	10 m	FQ-WD010
	20 m	FQ-WD020

Industrial Switching Hubs (Recommended)

Appearance	Number of ports	Failure detection	Current consumption	Model
	3	None	0.22 A	W4S1-03B
	5	None	0.22 A	W4S1-05B
		Supported		W4S1-05C

Accessories

Application	Appearance	Name	Model
For Code Reader		Mounting Bracket (enclosed with Code Reader)	FQ-XL
		Mounting Bracket for high-precision sensing* (sold separately)	FQ-XL2
		Polarizing Filter Attachment (enclosed with Code Reader)	FQ-XF1
For Touch Finder		Panel Mounting Adapter	FQ-XPM
		AC Adapter (for models for DC/AC/Battery)	FQ-AC1
		Battery (for models for DC/AC/Battery)	FQ-BAT1
		Touch Pen (enclosed with Touch Finder)	FQ-XT
		Strap	FQ-XH
		SD Card (2 GB)	HMC-SD291

* A mounting Bracket with improved resistance to vibrations and other external stresses that cause displacement of the optical axis and field of view.