

## Rack-mounted Power Transducers 17-RACK

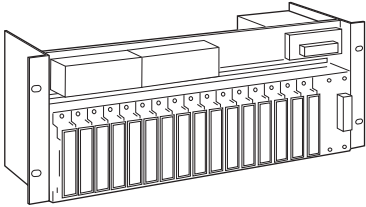
### STANDARD RACK

#### Functions & Features

- Standard 19" rack for 17-RACK power transducers
- Output wiring formed collectively with the rack connector
- Line power supplied via the rear rack bus
- High-density mounting (16 positions)

#### Typical Applications

- Measuring receiving power and branch circuits in a power facility
- Measuring load currents at branch circuits intensively
- Centralized management system of a power facility by a computer.



### MODEL: 17BXE-[1]-[2][3]

### ORDERING INFORMATION

- Code number: 17BXE-[1]-[2][3]
- Specify a code from below for each [1] through [3].  
(e.g. 17BXE-U1-R/W)

#### [1] CONNECTOR

- U1:** Fujitsu FCN type I/O connector
- UT:** Output terminal block

#### [2] POWER SUPPLY UNIT

AC Power

**K:** 85 - 132 V AC

(Operational voltage range 85 - 132 V, 47 - 63 Hz)

**L:** 170 - 264 V AC

(Operational voltage range 170 - 264 V, 47 - 63 Hz)

DC Power

**R:** 24 V DC; no power supply unit

(Operational voltage range 24 V  $\pm$ 10 %, ripple 10 %p-p max.)

**P:** 110 V DC

(Operational voltage range 85 - 150 V, ripple 10 %p-p max.)

#### [3] OPTIONS

Mounting Bracket

**blank:** Rack mounting, standard

**/W:** Surface mounting

### RELATED PRODUCTS

- Connector terminal block (model: CNT)
- Special cable with 40-pin connector (model: FCN)

### GENERAL SPECIFICATIONS

**Construction:** Metal plates assembly

**Coating:** Colored Zn-Cr

**Capacity:** 16 positions

**Connection**

**Power input:** M4 screw terminals (torque 0.8 N·m)

**Output:** Connector or M3.5 screw terminals (torque 0.8 N·m)

**Screw terminal:** Nickel-plated brass

**Isolation:** Output to power to FG

### INSTALLATION

**Power consumption**

• **AC:** Approx. 100 VA

• **DC:** Approx. 70 W

**Operating temperature:** -5 to +55°C (23 to 131°F)

0 to 50°C (32 to 122°F) for with power supply unit

**Operating humidity:** 40 to 85 % RH (non-condensing)

**Mounting:** JIS or EIA standard rack or surface

**Weight**

**Power Code R:** 3.0 kg (6.6 lb)

**Power Code K, L or P:** 3.5 kg (7.7 lb)

### PERFORMANCE

**Insulation resistance:**  $\geq$  100 M $\Omega$  with 500 V DC

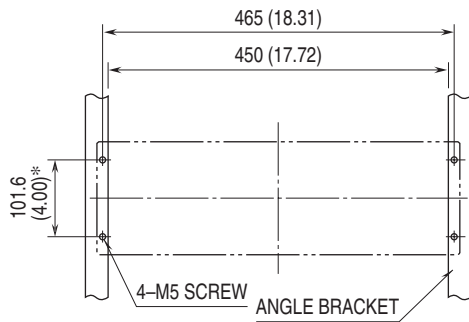
**Dielectric strength:** 2000 V AC @ 1 minute (output to power,

500V AC with power code R, 1500 V AC with power code K)

2000 V AC @ 1 minute (power to FG)

500 V AC @ 1 minute (output to FG)

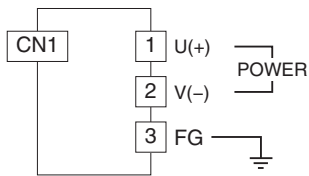
## MOUNTING REQUIREMENTS unit: mm (inch)



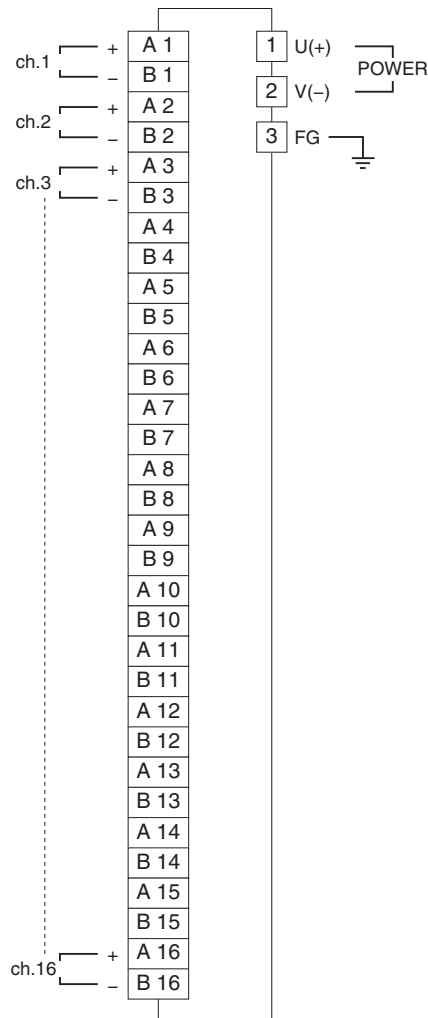
Observe an appropriate wiring space over and below.  
 \*100 (3.94) for JIS standard

## CONNECTION DIAGRAM

### ■ Fujitsu FCN type I/O connector



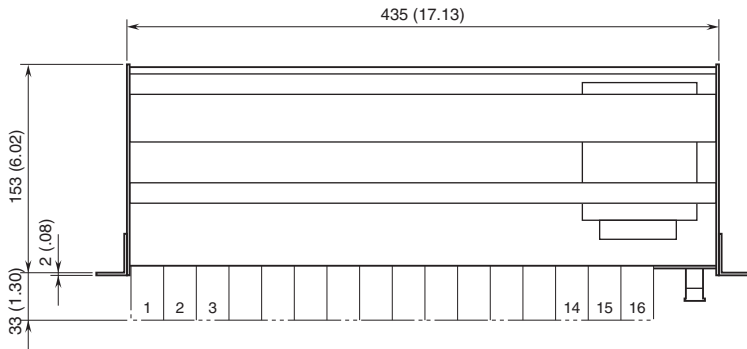
### ■ Output terminal block



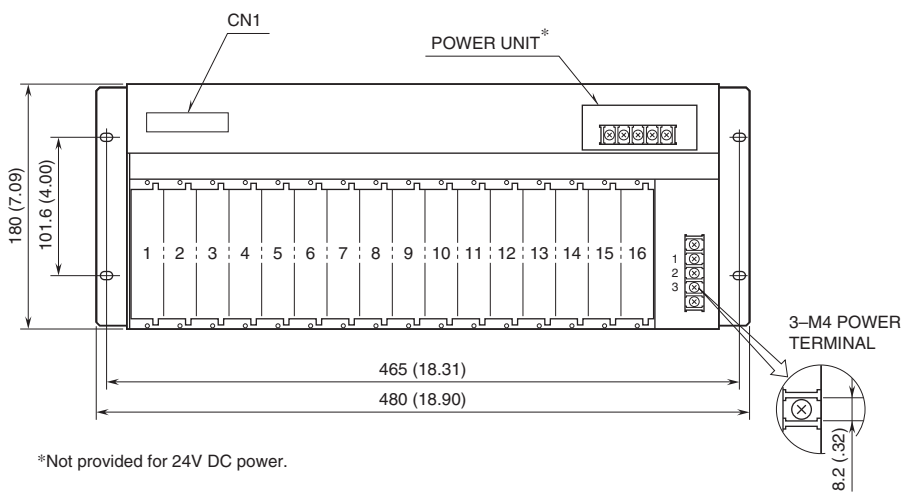
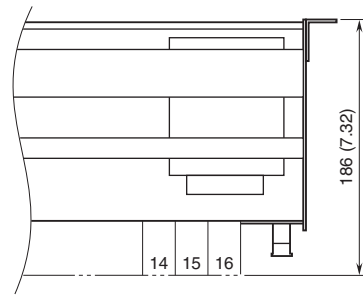
## DIMENSIONS unit: mm (inch)

### ■ FUJITSU FCN TYPE I/O CONNECTOR

#### ● RACK (standard)



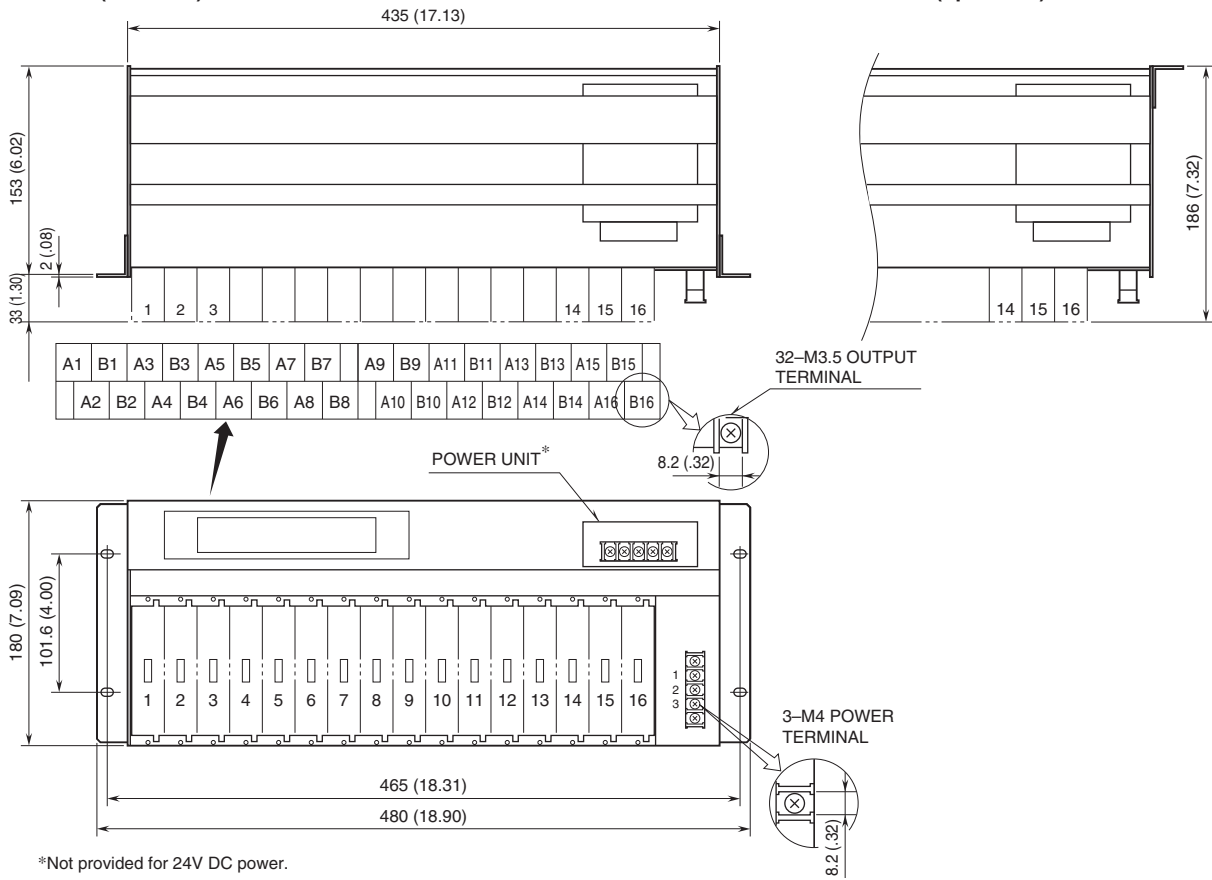
#### ● SURFACE (option /W)



## ■ OUTPUT TERMINAL BLOCK

● RACK (standard)

● SURFACE (option /W)



\*Not provided for 24V DC power.

## OUTPUT CONNECTOR

### Location

Output connector: FCN40-pin connector

OTAX N364P040AU

(Fujitsu FCN-364P040-AU...discontinued)

CN1: output

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
A 1	ch. 1 +	B 1	ch. 1 -
A 2	ch. 2 +	B 2	ch. 2 -
A 3	ch. 3 +	B 3	ch. 3 -
A 4	ch. 4 +	B 4	ch. 4 -
A 5	ch. 5 +	B 5	ch. 5 -
A 6	ch. 6 +	B 6	ch. 6 -
A 7	ch. 7 +	B 7	ch. 7 -
A 8	ch. 8 +	B 8	ch. 8 -
A 9	ch. 9 +	B 9	ch. 9 -
A 10	ch. 10 +	B 10	ch. 10 -
A 11	ch. 11 +	B 11	ch. 11 -
A 12	ch. 12 +	B 12	ch. 12 -
A 13	ch. 13 +	B 13	ch. 13 -
A 14	ch. 14 +	B 14	ch. 14 -
A 15	ch. 15 +	B 15	ch. 15 -
A 16	ch. 16 +	B 16	ch. 16 -

A17 - A20, B17 - B20: Unused



Specifications are subject to change without notice.