

# Read Write Antenna V720-H01-E



V720-H01-E

## ■ Product Description

OMRON's medium-range Read Write Antenna has a maximum communication distance of 25 cm with OMRON smart labels. Combined with the V720-CD1D, the V720-H01-E provides a complete RFID system.

## ■ Features

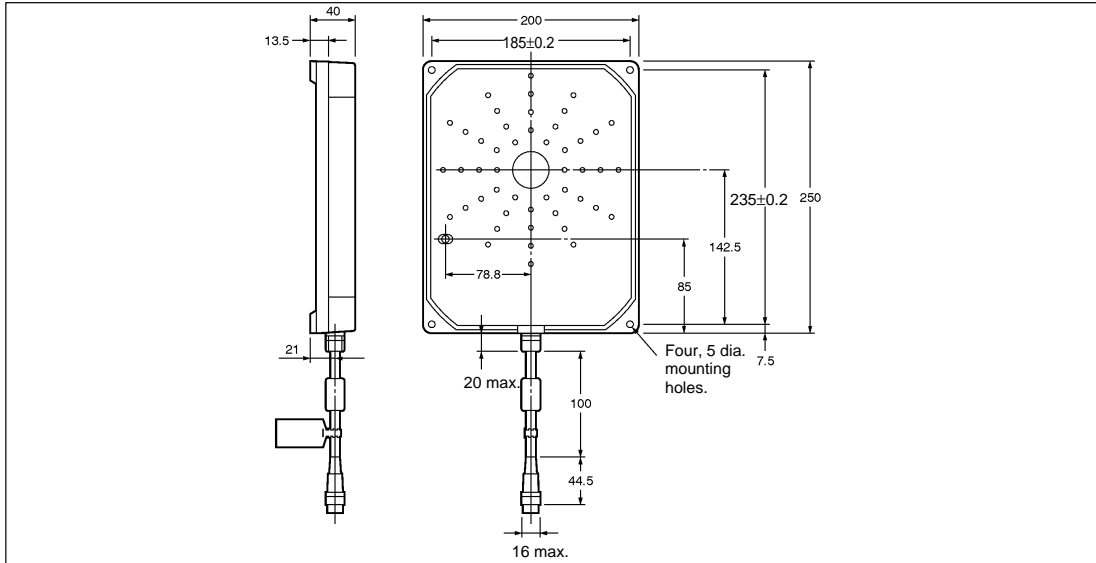
- Communication frequency: 13.56 MHz
- Conforms to the international standard ISO 15693 for contactless IC cards.
- Conforms to EC Directives and FCC.
- Provides a communication distance of 25 cm.
- Mounting on metal is possible.
- Various lengths of cables prepared.

## ■ Benefits

- Easy installation.
- High reading accuracy even in dirty or dusty environments.

**Note:** Ask about applications requiring special Antenna designs.

## Dimensions of the Read Write Antenna



### ■ General Specifications

Item	Specifications
<b>Communication frequency</b>	13.56 MHz
<b>Ambient temperature in operation</b>	-20 to 55°C (with no icing)
<b>Ambient temperature in storage</b>	-35 to 65°C (with no icing)
<b>Ambient humidity in operation</b>	35% to 85% (with no condensation)
<b>Insulation resistance</b>	20 MΩ min. (at 100 VDC) between rear plate and casing
<b>Dielectric strength</b>	1,000 VAC (50/60 Hz) for 1 minute between rear plate and casing
<b>Degree of protection</b>	IEC60529 IP40 (except connector)
<b>Vibration resistance</b>	Destruction: 10 to 150 Hz, 1.5-mm double amplitude at 100 m/s <sup>2</sup> in X, Y, and Z directions twice each for 8 minutes
<b>Shock resistance</b>	Destruction: 150 m/s <sup>2</sup> three times each in X, Y, and Z directions
<b>Cable length</b>	0.1 m (use an extension cable to connect to the ID Controller up to 50.1 m)
<b>LED indicators</b>	Power supply: Green Communications: Orange
<b>Weight</b>	Approx. 800 g
<b>Applicable standards</b>	ETS 300 330, ETS 300 683, FCC Part 15 Subpart C

Cat. No. RF502-E1-1 **In the interest of product improvement, specifications are subject to change without notice.**

### OMRON Corporation

Card Business Promotion Division

14th Fl., Gate City Osaki West Tower

1-11-1 Osaki, Shinagawa-ku,

Tokyo 141-0032 Japan

Tel: (81)3-5435-2016/Fax: (81)3-5435-2017

Printed in Japan  
0100-3M (0100)Ⓐ