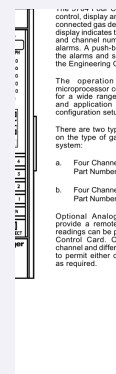


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

HONEYWELL 05704-A-0145

Four-channel 4-20 mA control card



PRODUCT	05704-A-0145
SYSTEM	Honeywell System 57 / 5704
INPUT	Four 4-20 mA detector loops
SUPPLY	18 to 32 VDC

This quick guide supplements the full Honeywell System 57 manual and the site's approved gas-detection commissioning procedure.

01 CONFIRM THE CONFIGURATION

Exact card	05704-A-0145, 4-20 mA input
Rack interface	Compatible four-channel interface card
Detector loops	Up to four validated 4-20 mA loops
Maximum loop resistance	500 ohm including sensor
Product dimensions	13.2 × 2.5 × 17.2 cm
Product weight	0.17 kg

02 BEFORE INSTALLATION

- Back up or record the current card configuration and alarm setpoints.
- Isolate the System 57 rack supply and follow site gas-safety procedures.
- Verify detector polarity, screened cabling and the interface-card connections.
- Confirm any optional analogue-output modules and downstream signal requirements.

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5704 Control System

CHAPTER 4 - INSTALLATION INSTRUCTIONS

1. INTRODUCTION

A summary of the System 57 controller installation procedures is shown below:

- a. Unpack and check the equipment.
- b. Identify a suitable location and check the cabling requirements.
- c. Confirm the power supply requirements.
- d. Install the Cabinet, 19" Mounting Frame or Panel Cutout as required.
- e. Fit the System 57 rack into the Cabinet, 19" Mounting Frame or Panel Cutout.
- f. Install the sensors and wire back to the System 57.
- g. Check, and if necessary reconfigure, the Four Channel Control Cards.
- h. Wire the sensors to the Quad Relay Interface Card terminal blocks.
- i. Wire the outputs from the Quad Relay Interface Card terminal blocks or from the Relay Interface Assembly if used.
- j. Wire the power supply to the DC Input Card.
- k. In individually powered applications, wire the power supply to each Quad Relay Interface Card.

After installation is complete perform the commissioning procedures outlined in Chapter 5.

The following sections of this chapter provide a detailed explanation of the installation operations.

2. UNPACKING

On receipt:

- a. Carefully unpack the equipment observing any instructions printed on or contained in the packaging.

04 COMMISSIONING CHECKS

- 01 Confirm the card label, connector seating and associated interface card.
- 02 Restore the 18 to 32 VDC supply and verify normal display operation.
- 03 Check the reading and polarity of each connected 4-20 mA detector loop.
- 04 Confirm alarm setpoints, LEDs, reset, inhibit and configured relay actions.
- 05 Test each optional analogue output against the connected PLC or recorder.
- 06 Record configuration and functional test results before returning to service.

05 CONTROLLED DOCUMENT

Official source	Honeywell 5704 Operating Instructions
Product record	05704-A-0145
Manufacturer	Honeywell
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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