

SYSTEM R-30*i*B Controller

Features

The new FANUC SYSTEM R-30*i*B controller: Energy efficient, compact and equipped with the new 4D graphic *i*Pendant - for increased user-friendliness, minimum energy consumption, and maximum productivity.

- Ultra compact, stackable cabinet reduces floorspace and saves energy
- New lightweight, 4D Graphic *i*Pendant offers unprecedented ease of use
- Energy saving design minimizes power consumption and energy costs, and allows an optional Power Regeneration Module
- High-speed precision motion control of 72 axes including up to four robots
- Learning Gakushu Robot option provides smooth motion while reducing cycle time up to 15%
- Intelligent Interference Check option automatically prevents deadlock conditions between multiple robots, allowing for higher robot density
- Fully integrated *i*RVision hardware allows easy Error-Proofing, 2D and 3D robot guidance
- Dual Check Safety (DCS) Position and Speed Check provides safety rated speed and position monitoring without additional hardware
- Safety PMC option provides Safety PLC functionality without additional hardware
- Fully supports auxiliary axis controls and Force Sensing



Coordinated motion with R-30*i*B

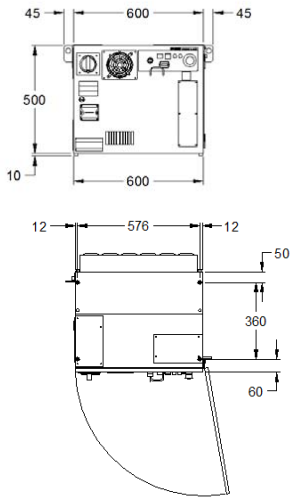


Bin Picking with R-30*i*B and Area Sensor

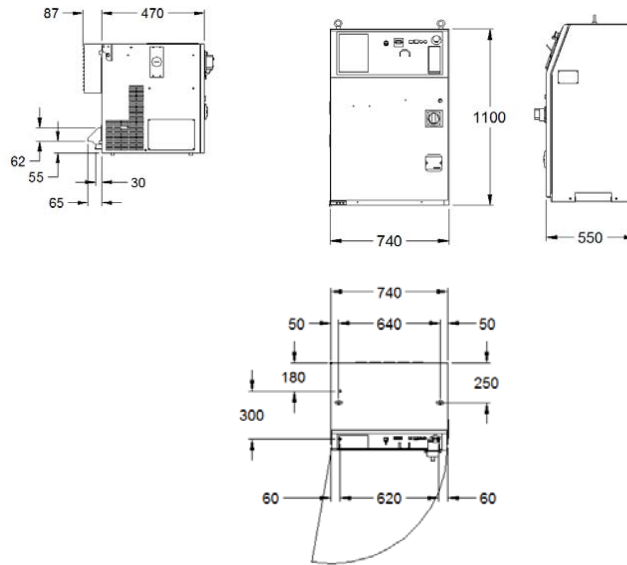
SYSTEM R-30iB Controller

Cabinet Specifications:

A-cabinet



B-cabinet



Operating Environment:

Ambient temperature:
0-45° C (standard)
0-50° C (standard)

Humidity: 75% RH or
less non-condensing

Vibration: 0.5G or less

Power Supply:

Three phase 480V,
575V Optional

Communication Ports:

Two 100 Base-TX/10
Base-T Ethernet ports
USB port, RS-232

I/O Sub-Systems: Model A (5 or 10 slot modular rack), FANUC I/O Link

Remote I/O: DeviceNet, Profibus DP slave master, Ethernet I/O (EGD and EIP),
Interbus (Master & slave), CC-Link (Slave), Profinet, FL-Net

Approvals:

NRTL Approvals:

UL 1740/R:2010-06
CAN/CSA Z434-03 (reaffirmed 2008)
CAN/CSA 22.2 No. 73-83 (reaffirmed 2009)

Functional Safety Approvals:

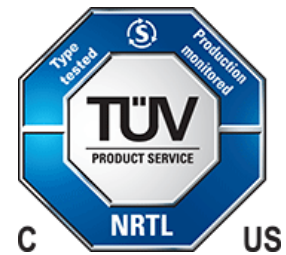
2006/42/EC, EN ISO 10218-1:2011, EN 61508-1:2001,
EN 61508-2:2001, EN 61508-3:2001, EN 61508-4:2001,
IEC62061:2005, EN 62061:2005, EN ISO 13849-1:2008,
IEC 61800-5-2:2007, EN 61800-5-2:2007, EN 55011/A1:2010,
EN 61000-6-2:2005, EN 61000-6-4:2007

Safety I/O:

A-cabinet 2 in/ 2 Out Cat. 4, PL(e), SIL 3 , B-cabinet 8 in/ 8 Out Cat. 4, PL(e), SIL 3 (option)
Optional Safety I/O expansion boards (8 In/ 8 Out) are also available

Safety Networks:

EIP Safe, DeviceNet Safe, ProfiSafe, FL-Net Safety



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