

DECT/DECR 3000 Series

IFS 8-Channel Contact Mapping Ethernet Transmitters and Receivers



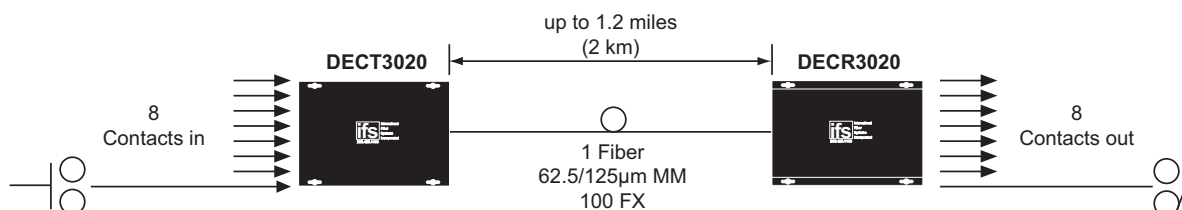
OVERVIEW

The IFS DECT/DECR3000 Series contact mapping transmitter and receiver provides transmission of up to eight independent contact closures over Ethernet electrical 10/100TX or 100FX optical fiber. The DECT/DECR3000 utilizes microprocessor-based logic for exceptionally robust communications channel redundancy. Models within this series are available for use with electrical RJ45, multimode or single mode optical fiber. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each module incorporates power and individual status indicating LED's for monitoring confirmation of contact closure of each of the eight channels. The modules are available in stand-alone only.

APPLICATION EXAMPLES

- Alarm Event Triggering
- Building Automation and Environmental Control Systems
- Fire & Alarm Systems
- Lane/Gate Control
- PIR Signal Transmission

SYSTEM DESIGN



STANDARD FEATURES

- Transmits Up to Eight Contact Closures Over Fiber or CAT 5
- Web Based Configuration
- Eight Channel Point-to-Point Transmission Architecture
- Power and Eight Individual Channel Status LED Indicators
- Eight SPST Reed Relays (with individual indicators)
- Designed to Meet the Requirements of NEMA TS-1/TS-2 & Caltrans Specifications (Temperature/Humidity, Shock/Vibration, and Voltage Transient Protection) for Traffic Control Equipment.
- Loss of Carrier Relay for Alarm Notifications
- Relay Contact Rating: 200VDC, 0.5Amps, Normally Open
- No In-field Electrical or Optical Adjustments Required
- Automatic Resettable Solid-State Current Limiters
- Distances up to 28 Miles (45km)
- Comprehensive Lifetime Warranty

DECT/DECR3000 Series

North America
T 855-286-8889

Latin America
T 561-998-6114

IFS 8-Channel Contact Mapping Ethernet Transmitters and Receivers

Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Electrical	DECT3000	10/100 Mbps electrical TX and RX	N/A		300 ft. (100 m)
	DECR3000	10/100 Mbps electrical TX and RX	N/A		300 ft. (100 m)
Multimode 62.5/125µm**	DECT3020	Contact Mapping TX and RX (1310 nm)	2	10 dB	1.2 miles (2 km)
	DECR3020	Contact Mapping TX and RX (1310 nm)	2	10 dB	1.2 miles (2 km)
Single Mode 9/125µm	DECT3030	Contact Mapping TX and RX (1310 nm)	2	15 dB	28 miles (45 km)
	DECR3030	Contact Mapping TX and RX (1310 nm)	2	15 dB	28 miles (45 km)
Accessories ♦	PS12VDC1.5A-U	12VDC, 1.5A Plug-in Power supply (110/220VAC) with Universal power plug adapter kit (Included)			

*Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. **For 50/125 Fiber, subtract 4 dB from Optical Power Budget.

♦ All accessories are third party manufactured.

Specifications

Data

Input/Output Channels:	8
Contacts:	200 VDC, 0.5 amp, 12 watts - Normally open/closed
Response Time:	25 msec maximum, typical

Wavelength

DECT3000, DECR3000:	850 nm, Multimode
DECT3020, DECR3020:	1310 nm, Multimode
DECT3030, DECR3030:	1310 nm, Single Mode

Number Of Fibers

	2
--	---

Connectors

Power:	Terminal Block with Screw Clamps
Optical:	SC
Data:	RJ-45

Electrical & Mechanical

Power:	
Surface Mount:	12VDC @ 350mA
Current Protection:	Automatic Resettable Solid-State Current Limiters
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	
Surface Mount:	7.0 x 4.9 x 2.0 in., 17.8 x 12.5 x 5.0 cm
Shipping Weight:	< 2 lbs./0.9 kg

Environmental

MTBF:	> 100,000 hours
Operating Temp:	-40° C to +74° C
Storage Temp:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)

Agency Compliance

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J



interlogix.com

Specifications subject to change without notice.

© 2013 United Technologies Corporation
All rights reserved.

Interlogix is part of UTC Building & Industrial Systems,
a unit of United Technologies Corporation.

DECT/DECR 3000 Series