



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1319</b>	12-Apr-2000	Number 14	Issue date 27-Apr-2019	30-Apr-2020
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## Product designation

**Tyco, Centaur, alarm signalling equipment**

(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

ADT Security  
13 Compark Circuit, MULGRAVE, VIC, AUSTRALIA, 3170

## Registrant

Johnson Controls  
17 Mary Muller Drive, HILLSBOROUGH, CHRISTCHURCH, NEW ZEALAND, 8022

### Producer

Johnson Controls  
17 Mary Muller Drive, HILLSBOROUGH, CHRISTCHURCH, NEW ZEALAND, 8022

## Conformance criteria and evaluation

The Tyco, Centaur, alarm signalling equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4428.6-1997, 'Fire detection, warning, control and intercom systems - Control and indicating equipment - Alarm signalling equipment'.

## Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. ASE being used in conjunction with the Control and Monitoring System (CMS) of ADT Fire Monitoring.
- ii. The ASE be powered by any 12 V or 24 V source assessed to AS 4428.5 or AS1603.4.
- iii. Where appropriate for the system configuration, suitable designated end-of-line interface units, including the FP0740, FP0742 and FP0743, shall be used.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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## Producer's description

The Tyco, Centaur, alarm signalling equipment (ASE) provides an interface between a building fire alarm system and an alarm monitoring network. The ASE has six supervised inputs to monitor the status of a maximum of six fire indicator panels (FIPs). The ASE has two open collector outputs that can be used to monitor the ASE communication faults or activate warning devices.

It communicates through a radio link and/or conventional dial-up telephone line. When installed with a radio, the radio is the primary communications link and the telephone line is configured as a backup link or secondary communications link.

Two versions are available that use different radio networks - Mobitex (FP0735 and FP0884) and GPRS (FP0885).

## Technical specification

The following details are a representative extract of the technical specification for the Tyco, Centaur, alarm signalling equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Trade brand</b>	
Principal	Tyco/ADT
Alternatives:	Fire Control Mercury Engineering Wormald Fire Systems
<b>Model:</b>	Centaur
<b>Part numbers:</b>	FP0735, FP0884, FP0885

### Specifications:

Electrical	Minimum	Typical	Maximum
<b>Supply Voltage</b>	9.5V	12V / 24V	29V
<b>Quiescent Current</b>			
Without Radio and two alarm system inputs configured as n/o.		50mA @ 24V 100mA @ 12V	
With NMX400 Radio and two alarm system inputs configured as n/o		100mA @ 24V 200mA @ 12V	
With GPRS Radio and two alarm system inputs configured as n/o		60 mA @ 24V 110 mA @ 12 V	
<b>Peak Current</b>			
NMX400 Radio Transmitting		0.4A @ 24V 0.7A @ 12V	0.45A @ 24V 0.90A @ 12V
GPRS Radio Transmitting		0.2A @ 24V 0.35A @ 12V	
<b>Average Power</b> (Over 24 hours, 2 inputs)			
with NMX400 Radio		2.5W	
with GPRS Radio		1.5W	
<b>Power Supply Battery Requirements</b>			
NMX400 Radio		6.5 Ah @ 12V 3.2 Ah @ 24V	
GPRS Radio		3.2 Ah @ 12V 1.6 Ah @ 24V	
<b>Power Fail Input</b>			
Fault Level			0.9V
Normal Level	3.0V		29V
Input Current @ 0V			0.5mA
<b>Alarm system Inputs</b>			
Operating Input Voltage Range	0.0V	5.0V	9.0V
Input Current @ 0V			4.2mA
"Normal" current n/o		1.8mA	
"Normal" current n/c		4.0mA	
<b>Cable Resistance</b> (alarm Switch/Relay to input)			30Ω
<b>Open Collector Outputs</b>			

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Electrical	Minimum	Typical	Maximum
Output Voltage @ 15mA; maximum 30mA			1.0V
Off Voltage			29V
<b>Physical</b>			
Dimensions	100mm H x 174mm W x 78mm D		
Weight (with NMX400 Radio fitted)	1.25kg		
IP Rating of enclosure	IP51		
Colour	Signal Red		
<b>Environmental</b>			
Temperature	-5°C to 45°C		
Humidity	0 to 95% RH (non-condensing)		