



# IrComms Model IC1

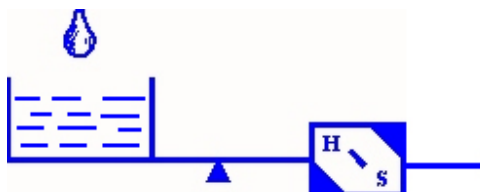
Infrared Module for HS Loggers



- Infrared Wireless Communication
- Up to 2m range
- DB9 Male Connector
- Self Contained Battery Power
- Provides Power to the logger during a Comms Session
- Battery Reverse Polarity Protection
- Communication Status Indicator
- Battery Status Indicator
- Eliminates Use of Fragile PDA Connecting leads
- Supports IrLAP, IrLmp, Lm-IAS, IrComm Protocols



CERTIFIED QUALITY  
MANAGEMENT SYSTEM  
— ISO9001 —



## HYDROLOGICAL SERVICES PTY LTD

Design, Development & Manufacturing of Scientific Instruments & Equipment for Water Level, Water Flow & Meteorology

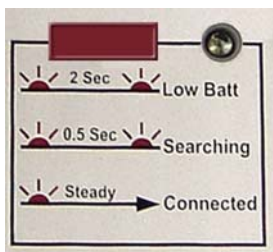
## DESCRIPTION:

The IrComms Model IC1 is Hydrological Services most modern Infrared wireless technology. When used in conjunction with Hydrological Services data loggers, the user is able to configure the logger settings and download the data stored in the logger using an Infrared compatible PDA or Laptop.

The IrComms is a self powered Infrared to RS232 interface. The male DB9 connector on the IrComms device is configured for direct connection to the female DB9 connector on the ML1 data Logger or River Hawk shaft encoder at a baud rate of 9600 and powers the logger during the communication session.



During communication the LED indicator on the IrComms is 'ON'. The LED is a visual guide for the operator, as each flashing sequence indicates differing status as shown on the figure below.



- **Low Battery:** LED will flash every 2 seconds.
- **Searching:** searching or waiting for a connection, LED will flash every 0.5 second.
- **Connected:** connection is established, LED is ON steady.

## SPECIFICATIONS:

<b>Enclosure</b>	<b>Size:</b>	97 x 60 x 27 mm 3.7 x 2.4 x 1 inch
	<b>Material:</b>	Durable plastic with rubber sides for easy grip
<b>Environmental</b>	<b>Temp:</b>	-20°C to +70°C
	<b>Humidity:</b>	95% RH Non Condensing
<b>Connections</b>		1 x DB9 Male Connector
<b>Communications</b>	<b>To Logger</b>	RS232 Port (Tx, Rx) @ 9600 baud rate
	<b>To PDA/PC</b>	Infrared, Wireless
<b>Infrared</b>		Supports IrLAP, IrLmp, Lm-IAS, IrComm Protocols Up to 2m range
<b>Indicators</b>		1 x LED indicator for battery and Infrared status
<b>Power Source</b>		2 x Internal AA alkaline cells 30mA giving 80 hours continuous operation translating to about 2 to 4 months of normal use
<b>Weight</b>		120 grams
	<b>Note:</b>	<b>Specifications are subject to change at anytime without notice.</b>

## HYDROLOGICAL SERVICES PTY.LTD.

48-50 SCRIVENER STREET, WARWICK FARM, 2170 SYDNEY, AUSTRALIA.  
A.B.N. 37 000 732 954  
PO Box 332 Liverpool BC 1871  
PH: 02 9601 2022 (INT.612 9601 2022)  
FAX: 02 9602 6971 (INT.612 9602 6971)  
Email: sales@hydrologicalservices.com  
Website: www.hydrologicalservices.com

## Distributed By: