



LOCKYER ELECTRONICS

SELCALL CONTROLLER

The Selcall Controller is a Printed Circuit Board Assembly designed to encode and decode tone sequential signalling to interface to a conventional radio network.

The Selcall Controller supports 12 digital inputs, 5 digital outputs, dedicated RS232 serial port and a radio port. The serial port is used for both programming and serial command when used as a base Selcall modem. The radio port connects to any radio with Audio Out, Audio In, PTT and Busy. Audio levels are adjustable on board. PTT and Busy inverts and pullups are available.

The Selcall Controller interfaces directly to the Lockyer Electronics Turnout Consoles and supports Selcall based turnout and status reporting systems currently employed in the majority of New Zealand Fire and Ambulance Stations. This unit also supports both 5+1 and NZFS so called 13 tone formats.

The Selcall Controller default signalling format is 5+1 and 5+3+5, CCIR tone set with programmable options to support NZFS custom tones A to F. Programming is via the serial port using any serial communications program. All decoded Selcall sequences can be outputted on the serial port (can be masked to 5+1 or and 13 tone and precode matches). Any Encode sequence can be entered via the serial port along with interrogation of radio busy status.

Programmable parameters include but not limited to: Acknowledge window, Output active time, Retry count, Busy tail, Pole response time, Tone period, Lead in & out delay, Decode format, canned message edit, Station Pre-Code, Station Acknowledge Code, Station Code, Station secondary code, Serial port Echo enable, Group call format, Decode filters, Input inverts.

