



November 2000

17384 DRAFT

**20462, 20453 DualTech Desktop Reader**  
Installation Instructions

## Description

The DualTech PC Desktop Reader is an accessory for use with a PAC Administration interface unit. This system is used for direct PC to controller communications (fig. 1).

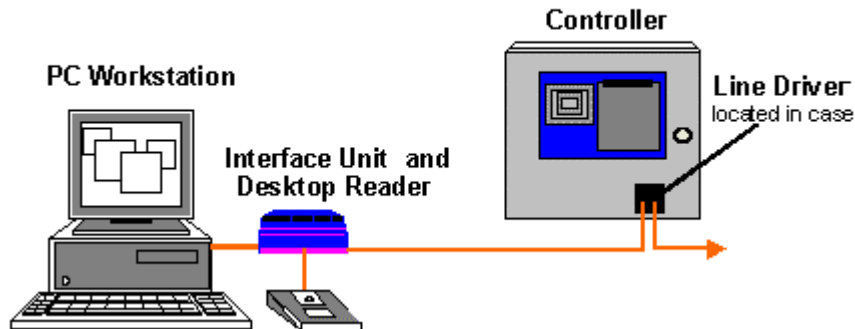
**Note:** This Desktop Reader will read **KeyPAC** and **PAC** ID-devices.

**Note:** It is unlikely that you will need an Interface Kit at a PC that already has a CNC attached. CNCs have either front panel or external readers for administration purposes.

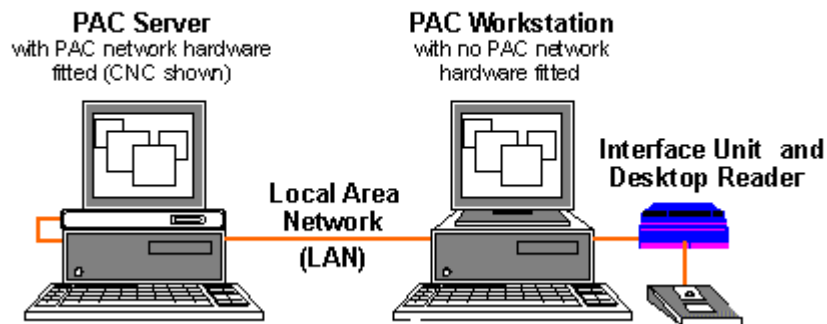
**WARNING:** The Interface Unit contains mains voltages. This procedure should only be carried out by a suitably qualified and experienced person. If you have any doubts as to your suitability contact PAC for advice. Failure to do so may result in injury or death by electric shock.

**WARNING:** If, at any time, the interface kit or its wiring appear damaged then immediately disconnect it from the mains and contact PAC for advice. Failure to do so can result in electric shock and/or further damage to equipment.

**Figure 1. Desktop Reader and Line Driver**



**Figure 2. Desktop Reader Only (Multi-PC System)**



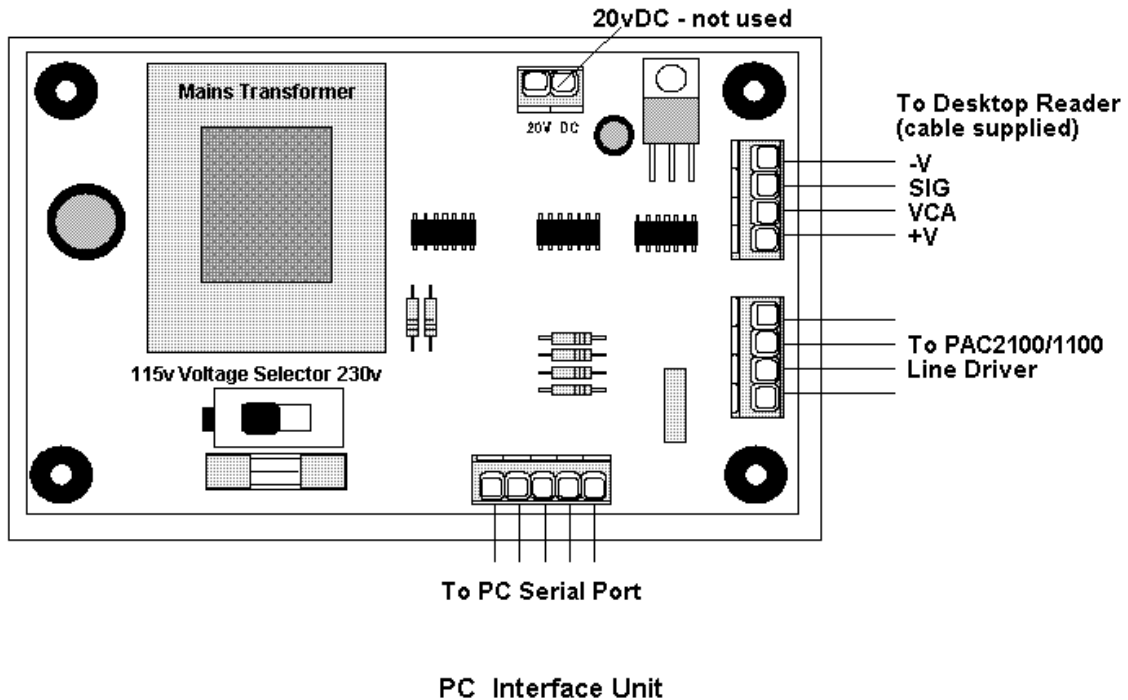
## Installation

### Opening the Interface Unit

**WARNING:** This Interface Unit contains mains voltages. Before opening ensure that it is disconnected from the mains. Failure to do so can result in injury or death by electric shock.

Make sure that the Interface Unit is **not** connected to the mains then remove the lid by removing the 4 screws recessed in the base.

There are removable terminal blocks fitted to the circuit board as shown below:



### Connecting the Desktop reader

The Desktop reader supplied with the kit is complete with cable and terminal block. Fit the terminal block with the screw heads facing the centre of the interface unit, and route the cable through the grommet provided. Wiring for provided cables - for information only

## Desktop Reader to Interface

56 inch cable supplied.

PC Interface		Desktop Reader	
4-pole Terminal Block		Desktop reader	
-V	_____	-V	Green
VCA	_____	VCA	Yellow
SIG	_____	SIG	White
+V	_____	+V	Brown

## Specification

**Dimensions** 5.12in x 3.54in x 1.25in

**Voltage** 10.5v DC to 20v DC (Supplied by Administration Interface Unit)

**Current** Less than 85mA

**Temperature** Operating: -10°C to +55°C (14°F to 130°F)

Storage: -30°C to +80°C (-20°F to 175°F)

**Humidity** Operating: 0-90% RH at 30°C ±2°C (85°F±5°F) for 24 hours

**Reading Range** KeyPAC: Up to 4 inches

PAC: Up to 2 inches

**Lead Length** 56 inches

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC ID OQL-PAC-D-DT**