Guide by Miles Nicholson



Passion Integrity Expertise Teamwork

## **Creating Your Own Filter on Reports**

All Electrical Designer Users

Electrical Designer produces a variety of reports. The reports can be customised using Crystal Reports 10 (ED2010)\* or if you have a valid software support contract through our support services.

However you can apply filters to reports to exclude or include specific information. As an example, when creating a bill of materials, you may want to filter out not only external items that are not your responsibility but also filter out consumable items such as terminals.

Let's take a look at how this can be achieved!

Select Report Centre Select English Select Bills of Materials Select GRPDES1

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Select	Filters
	44
Select /	New 🛄



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	Expression	Fields available  Fields available  Fields available  CON_PRO  CATS  Fields ELEMS  CATALOG  Fields ELEMS  Fields E	Functions AND AND. Contained in \$	OR .OR. Trim left LTRIM	NOT .NOT. Trim right TRIM Substring
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The available databases that are analysed for the report information

The expressions that can be used

By each database there is a + that expands the selection.

In this example we need to filter out a zone with the word "EXTERNAL" and filter out any type of component defined as a terminal.

\*ED2009 and earlier uses Crystal reports 8.5

Let's start with the EXTERNAL Zone.

Select CON\_PRO > LUGAR (this is the components database field for ZONE)

The Expression will be CON\_PRO->LUGAR

Type <> after the expression to mean the value is both less and more than the value defined in ""

Type after the expression "EXTERNAL" (the "" indicate text information)

The expression will now be CON\_PRO->LUGAR <> = "EXTERNAL"

You can text the filter at any time by selecting \_\_\_\_\_\_



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## White Paper

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The database fields will be an alien to the majority of users. The database fields are listed in the technical manual on your install CD or download.

For > ED2009 you can also view any of the databases to see the information that is held in each field by typing *VERDBF* at the AutoCAD Command line

## Now the filtering of the terminals.

Select the expression AND ((this adds)(you can also add a space character for clarity of you wish)

Select ELEMS > REC\_DES (this is the symbols database field for symbol type)

Type after the expression = 14

Repeat so that you add " .AND. ELEMS->REC\_DES = 99"

- 14 = Terminal
- 99 = Fused terminal (Terminals which do not continue the wire value through the terminal)

## The expression will now be CON\_PRO->LUGAR <> "EXTERNAL" .AND. ELEMS->REC\_DES =14 .AND. ELEMS->REC\_DES = 99

Type a Description of "Excludes External Components & Terminals"

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AND, ELEMS->REC_DI	ES = 9	9		



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Select	Test
Select	Accept



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