

## Circuit Threshold Position to be viewed and square off

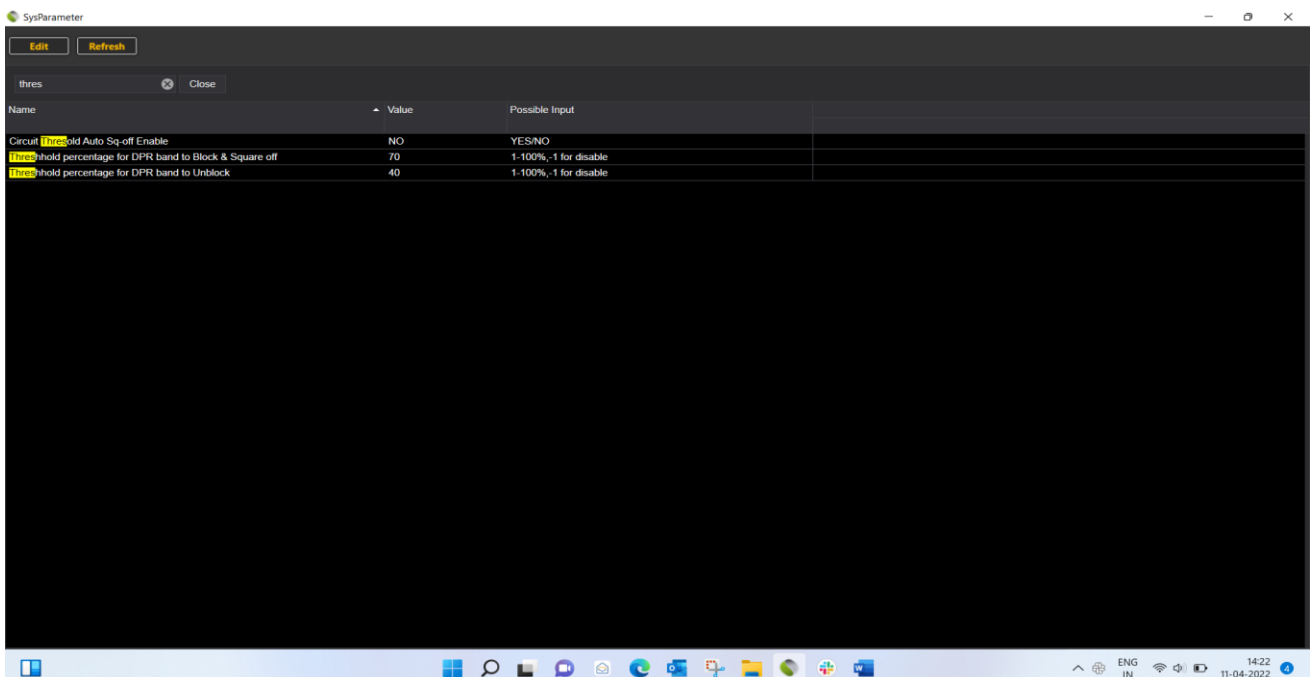
This functionality is useful to manage the risk of a **NON FNO scrip** moving towards the circuit during the day for **INTRADAY/CO/BO** product.

There are some checks in sys parameter which we have to set for the functioning as mention below...

Name	Value	Possible Input	Remark
Circuit Threshold Auto Sq-off Enable	NO	YES/NO	We have to set as YES if want to square off the circuit threshold position Automatically when breach the position set in Below parameters.
Threshold percentage for DPR band to Block & Square off	-1	1-100%, -1 for disable	Here we have to set the threshold % of circuit limit for block the new order and view & square off the positions of securities which are going towards circuits on breaching the set threshold % of circuit limit. And for disabling the functionality have set value as -1.
Threshold percentage for DPR band to Unblock	-1	1-100%, -1 for disable	Here we have the set the threshold % of circuit limit for unblock the new order entry of securities after moving away from the circuit limit. And for disabling the functionality have set value as -1.

Suppose we have set “Threshold percentage for DPR band to Block & Square off” as 70% and

“Threshold percentage for DPR band to Unblock” as 40% as shown in screen shot.

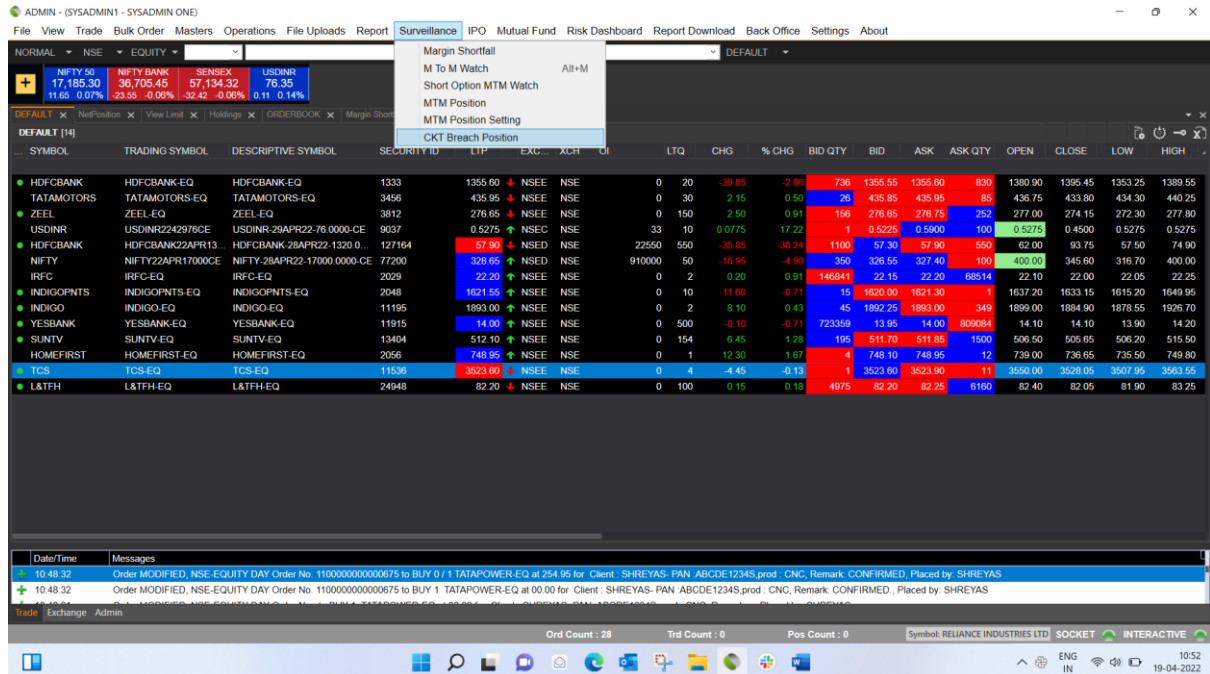


The screenshot shows a window titled 'SysParameter' with a table of parameters. The table has three columns: 'Name', 'Value', and 'Possible Input'. The parameters are:

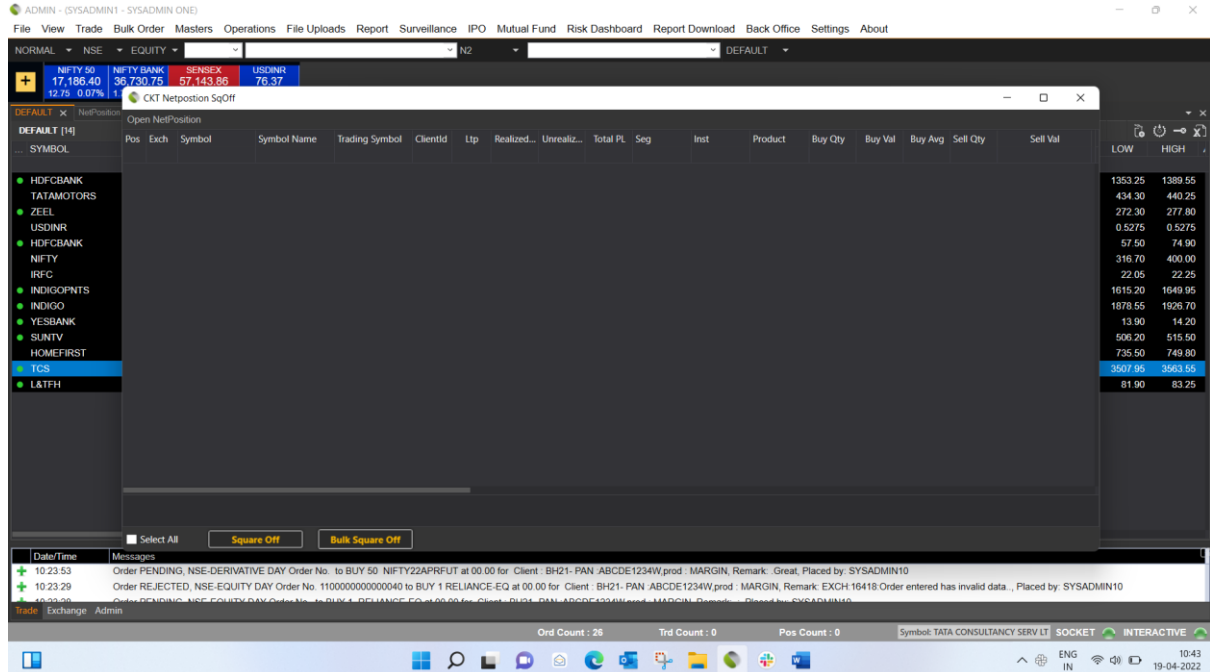
Name	Value	Possible Input
Circuit Threshold Auto Sq-off Enable	NO	YES/NO
Threshold percentage for DPR band to Block & Square off	70	1-100%, -1 for disable
Threshold percentage for DPR band to Unblock	40	1-100%, -1 for disable

Position will be shown in CKT net position square off window when price breached the set “Threshold percentage for DPR band to Block & Square off”

And if “Circuit Threshold Auto Sq-off Enable as YES”. Then position will be square off automatically.



The screenshot shows the RupeeSeed trading platform interface. The top menu bar includes File, View, Trade, Bulk Order, Masters, Operations, File Uploads, Report, Surveillance, IPO, Mutual Fund, Risk Dashboard, Report Download, Back Office, Settings, and About. The Surveillance menu is open, showing options like Margin Shortfall, M To M Watch, Short Option MTM Watch, MTM Position, MTM Position Setting, and CKT Breach Position. The main window displays a list of securities with columns for SYMBOL, TRADING SYMBOL, DESCRIPTIVE SYMBOL, SECURITY ID, LTP, EXC, XCH, LTQ, CHG, % CHG, BID QTY, BID, ASK, ASK QTY, OPEN, CLOSE, LOW, and HIGH. The list includes securities like HDFCBANK, TATAMOTORS, ZEEL, USDNR, and others. The bottom status bar shows Ord Count: 28, Trd Count: 0, Pos Count: 0, and Symbol: RELIANCE INDUSTRIES LTD.



The screenshot shows the RupeeSeed trading platform interface with the CKT Netposition SqOff window open. The window displays a list of securities with columns for Pos, Exch, Symbol, Symbol Name, Trading Symbol, ClientId, Ltp, Realized..., Unrealized..., Total PL, Seg, Inst, Product, Buy Qty, Buy Val, Buy Avg, Sell Qty, and Sell Val. The list includes securities like HDFCBANK, TATAMOTORS, ZEEL, USDNR, and others. The bottom status bar shows Ord Count: 26, Trd Count: 0, Pos Count: 0, and Symbol: TATA CONSULTANCY SERV LT.

Scenarios: -

#### **For Block the order entry**

If “Threshold percentage for DPR band to Block & Square off” hit as per config then position will show in CKT Net position sqr off window and new order entry will be blocked and only square off order will be allowed.

For example, we set Threshold percentage for DPR band to Block & Square off = 70%

Scrip = ABC

Close Price = 200

Lower Ckt = 180

Upper Ckt = 220

Threshold price for down side will be =  $CLOSEPRICE - (((CLOSE PRICE - LOWER CT LIMIT) * THRESHOLD \% VALUE) / 100) = 200 - ((200 - 180) * 70 / 100) = 186$

When “LTP <= Threshold price for down side” then new order entry will be blocked. i.e

If LTP <= 186 then functionality for blocking of **buy order** down side will be blocked new order entry.

Threshold price for upper side will be =  $CLOSEPRICE - (((CLOSE PRICE - UPPER CT LIMIT) * THRESHOLD \% VALUE) / 100) = 200 - ((200 - 220) * 70 / 100) = 214$

When “LTP >= Threshold price for upper side” then new order entry will be blocked. i.e

If LTP >= 214 then functionality for blocking of **sell order** upper side will be blocked new order entry.

Case 1. If client having open buy position and threshold limit hit down side then all pending order of Buy side and square off sell order of buy position will be cancelled and new buy order will be blocked and position can\will be squared off but fresh sell order will not be cancelled/blocked.

Case 2. If client having open sell position and threshold limit hit upper side then all pending order of Sell side and square off buy order of sell position will be cancelled and new sell order will be blocked and position will square off but fresh buy order will not be cancelled/blocked.

#### **For Unblock the order entry**

If “Threshold percentage for DPR band to Unblock” hit as per config in sys parameter then order entry will be unblocked and order entry will be allowed as usually and position will also be not shown in CKT Net position sqr off window.

For example, we set Threshold percentage for DPR band to Unblock = 40%

Scrip = ABC

Close price = 200

Lower Ckt = 180

Upper Ckt = 220

Threshold price for down side will be =  $CLOSEPRICE - (((CLOSE PRICE - LOWER CT LIMIT) * THRESHOLD \% VALUE) / 100) = 200 - ((200 - 180) * 40 / 100) = 192$

When "LTP  $\geq$  Threshold price for down side" then new order entry will be Unblocked. i.e

If LTP  $\geq$  192 then functionality for Unblocking of buy order down side will be Allowed new order entry.

Threshold price for upper side will be =  $CLOSEPRICE - (((CLOSE PRICE - UPPER CT LIMIT) * THRESHOLD \% VALUE) / 100) = 200 - ((200 - 220) * 40 / 100) = 208$

When "LTP  $\leq$  Threshold price for upper side" then new order entry will be Unblocked. i.e

If LTP  $\leq$  208 then functionality for Unblocking of sell order upper side will be Allowed new order entry.

**Important Note: -**

1. This functionality will be strictly applicable for NON FNO scrips and INTRADAY/CO/BO product only.
2. And for NON FNO scrip below mentioned file should have to be uploaded on daily basis. Otherwise, functionality will work for all scrip in equity. The file name for identification for FNO scrip for NSE and BSE are "Sec\_list.csv" and "Dynamic\_Circuit\_Filter\_Scri.xls".